



Ms. Ana Townsend
California Regional Water Quality Control Board
Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013

Subject:

Quarterly Groundwater and Remedial Progress Monitoring Report
for the Fourth Quarter of 2013
Bodycote Thermal Processing Techni-Braze Facility
11845 Burke Street, Santa Fe Springs, California

Dear Ms. Townsend:

ARCADIS U.S., Inc. (ARCADIS) prepared the enclosed Quarterly Groundwater and Remedial Progress Monitoring Report for the Fourth Quarter of 2013 for the Bodycote Thermal Processing Techni-Braze facility (the Site) located at 11845 Burke Street, Santa Fe Springs, California. This report documents the findings of groundwater monitoring and sampling activities conducted at the Site during the fourth quarter of 2013 in response to requests made by the California Regional Water Quality Control Board, Los Angeles Region (RWQCB).

The scope of work for field activities performed at the Site may be found in the Work Plan for Groundwater Monitoring and Additional Subsurface Investigation prepared by LFR Inc. (now known as ARCADIS) and dated June 18, 2004. Four groundwater monitoring wells (MW-15 and MW-17 through MW-19) were incorporated into the quarterly groundwater monitoring and sampling schedule for the Site as of the third quarter of 2008. Additionally, one groundwater monitoring well (MW-20) was incorporated into the Site's monitoring and sampling schedule as of the fourth quarter of 2012. During the fourth quarter of 2013, 22 groundwater monitoring wells and four soil vapor extraction (SVE)/dual-phase extraction (DPE) wells were gauged and 10 of the 22 groundwater monitoring wells were sampled.

In a June 11, 2013 letter, the United States Environmental Protection Agency (USEPA) requested that Bodycote provide them with current and future groundwater monitoring data for the Site. In addition, they requested that

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February 12, 2014

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Our ref:
CM010272.0022

analytical testing for 1,4-dioxane, trichlorofluoromethane (Freon-11), and 1,1,2-trichloro-trifluoroethane (Freon-113) be included as part of the suite of volatile organic compound (VOC) analyses conducted at the Site. The requested groundwater and remedial progress monitoring data will be used by the USEPA in its ongoing investigation of the Omega Chemical Corporation Superfund Site (Omega site) located at 12504 and 12512 East Whittier Boulevard in Whittier, California.

As of the third quarter of 2013, the Site's groundwater sampling program was revised to include analytical testing for Freon-11 and Freon-113. As of the fourth quarter of 2013, analytical testing for 1,4-dioxane was added to the Site's groundwater sampling program as requested by the USEPA.

This report also documents the results of the soil vapor samples collected during this reporting period as part of the Work Plan for Soil Vapor Monitoring developed after the SVE system was shut down on December 17, 2012.

If you have questions regarding the material presented in this report or other issues concerning the Site, please call Jennifer Rothman at 714.730.9052 or Jay Shipley at 562.496.3001.

Sincerely,

ARCADIS U.S., Inc.



Jennifer S. Rothman, P.E.
Principal Civil Engineer



Jay M. Shipley, P.E.
Senior Vice President/Principal Engineer

Attachment

Copies:

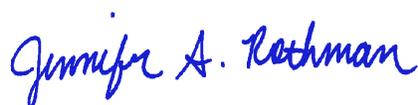
Mr. Tom Anderson, Bodycote Thermal Processing

Bodycote Thermal Processing

**Quarterly Groundwater and
Remedial Progress Monitoring Report
for the Fourth Quarter of 2013**

Bodycote Thermal Processing
Techni-Braze Facility, 11845 Burke Street,
Santa Fe Springs, California

February 12, 2014



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Principal Civil Engineer



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**Quarterly Groundwater
and Remedial Progress
Monitoring Report for the
Fourth Quarter of 2013**

Bodycote Thermal Processing
Techni-Braze Facility,
11845 Burke Street,
Santa Fe Springs, California

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Acronyms and Abbreviations

1,1-DCE	1,1-dichloroethene
ARCADIS	ARCADIS U.S., Inc.
Bodycote	Bodycote Thermal Processing
CDWR	California Department of Water Resources
cis-1,2-DCE	cis-1,2-dichloroethene
DPE	dual-phase extraction
Freon-11	trichlorofluoromethane
Freon-113	1,1,2-trichloro-trifluoroethane
ft bgs	feet below ground surface
ft msl	feet above mean sea level
ft/day	foot (feet) per day
ft/ft	foot of vertical drop per foot of horizontal distance
GWM	groundwater monitoring
HHRA	human health risk assessment
LFR	LFR Levine-Fricke or LFR Inc.
µg/L	micrograms per liter
Omega site	Omega Chemical Corporation Superfund Site, 12504 and 12512 East Whittier Boulevard, Whittier, California
PCE	tetrachloroethene
PID	photoionization detector
RI/FS	remedial investigation/feasibility study
RWQCB	California Regional Water Quality Control Board, Los Angeles Region
Site	Bodycote's Techni-Braze facility, 11845 Burke Street, Santa Fe Springs, California
SunStar	SunStar Laboratories
SVE	soil vapor extraction
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
VOCs	volatile organic compounds

1. Introduction

Bodycote Thermal Processing (Bodycote) retained ARCADIS U.S., Inc. (ARCADIS) to conduct quarterly groundwater sampling at Bodycote's Techni-Braze facility (the Site) located at 11845 Burke Street, Santa Fe Springs, California (Figures 1 and 2). This report documents the results of the fourth quarter 2013 groundwater monitoring event for the Site.

This report also documents the results of soil vapor monitoring activities conducted at the Site in accordance with the March 29, 2013 letter from the California Regional Water Quality Control Board, Los Angeles Region (RWQCB), titled Approval of Work Plan for Soil Vapor Monitoring Program.

2. Scope of Work

The purpose of this assessment was to monitor the extent of volatile organic compound- (VOC-) affected groundwater at the Site. The scope of work performed during field activities may be found in the Work Plan for Groundwater Monitoring and Additional Subsurface Investigation, dated June 18, 2004, which was prepared by LFR and approved by the RWQCB on June 28, 2004. In addition to this scope of work, four additional groundwater monitoring wells (MW-15 and MW-17 through MW-19) were incorporated into the Site's quarterly groundwater monitoring and sampling schedule as of the third quarter of 2008. Groundwater monitoring well MW-20 was incorporated into the Site's monitoring and sampling schedule during the fourth quarter of 2012. Groundwater monitoring well MW-16 was incorporated into the Site's monitoring and sampling schedule during the second quarter of 2013.

In a June 11, 2013 letter, the United States Environmental Protection Agency (USEPA) requested that Bodycote provide them with ongoing groundwater monitoring data for the Site. In addition, they requested that analytical testing for trichlorofluoromethane (Freon-11) and 1,1,2-trichlorotrifluoroethane (Freon-113) be included as part of the suite of VOC analyses conducted at the Site (USEPA 2013). The requested groundwater and remedial progress monitoring data will be used by the USEPA in its ongoing investigation of the Omega Chemical Corporation Superfund Site (Omega site) located at 12504 and 12512 East Whittier Boulevard in Whittier, California.

As of the third quarter of 2013, the Site's groundwater sampling program was revised to include analytical testing for Freon-11 and Freon-113. As of the fourth quarter of 2013, analytical testing for 1,4-dioxane was added to the Site's groundwater sampling program as requested by the USEPA.

Twenty-two groundwater monitoring wells (MCA-1 through MCA-4, MW-1 through MW-3, MW-5 through MW-12, and MW-14 through MW-20) and four nested soil vapor extraction/dual-phase

extraction (SVE/DPE) wells (VW-1 through VW-4) were scheduled to be gauged and sampled during this quarterly monitoring event.

Activities conducted during this assessment included collecting depth-to-groundwater measurements, monitoring well purging and sampling, laboratory analysis of groundwater samples, and off-site disposal of purge water. In addition, soil vapor samples were collected from 14 SVE wells and analyzed for VOCs. Detailed descriptions of these activities are presented in the following sections.

3. Background

3.1 Site Description

The Site is located at 11845 Burke Street in the City of Santa Fe Springs, California, just east of the intersection of Burke Street and Dice Street (Figure 1). The Site is currently being re-equipped; it has most recently (through 2012) been used for industrial steel treatment activities, including alloy brazing and heat treatment of metal parts using seven vacuum furnaces and five induction furnaces. Surrounding land usage includes industrial properties and parking lots.

The approximately 55,210-square-foot Site is improved with a 24,321-square-foot, two-story building that is used for office space, manufacturing, storage, and distribution. Except for the site building, the majority of the subject property is paved with asphalt. The southern side of the Site along Burke Street has approximately 1,000 square feet of landscaping. Techni-Braze has been the sole occupant of the subject property since the site building was constructed in 1966. According to Techni-Braze personnel, the area was used for agricultural purposes, presumably as a walnut grove, prior to 1966.

Kleinfelder installed nine groundwater monitoring wells in a shallow semi-perched, unconfined groundwater zone at the Site in 1991, and Mabbet Cappacio and Associates installed four more wells in August 1991, for a total of 13 groundwater monitoring wells in shallow groundwater (screen depth of approximately 40 feet below ground surface [ft bgs]). Terravac installed three groundwater monitoring wells in a deeper groundwater zone in January 1995 (screen depth of approximately 100 ft bgs).

LFR installed four nested SVE/DPE wells in shallow groundwater on May 22 and 23, 2006 to facilitate the SVE and DPE pilot studies. The four nested wells are located in the northwestern portion of the Site (Figure 2) and are screened within three zones: a screen depth ranging from 0 to 10 ft bgs (zone C), a screen depth ranging from 20 to 25 ft bgs (zone B), and a screen depth

ranging from 28 to 34 ft bgs (zone A). Well construction details for the four nested SVE/DPE wells may be found in LFR's Work Plan for Remedial Pilot Testing, dated December 15, 2005.

LFR installed two groundwater monitoring wells in shallow groundwater and two groundwater monitoring wells in deep groundwater on July 7 through July 17, 2008 to better assess the vertical definition of VOC impacts, specifically tetrachloroethene (PCE), between shallow groundwater and deep aquifers beneath the Site. One deep, upgradient groundwater monitoring well was installed to monitor the condition of groundwater in the deep aquifer coming onto the Site, and one deep groundwater monitoring well was installed on the western boundary of the property to monitor the condition of groundwater in the deep aquifer west of the Site. Additionally, two groundwater monitoring wells were installed upgradient in shallow groundwater to monitor groundwater quality coming onto the Site (Figure 2). Well construction details for the four groundwater monitoring wells may be found in LFR's Groundwater Monitoring Well Installation Report, dated August 18, 2008.

LFR installed 15 SVE wells in August 2008. The SVE wells were screened to target two specific lithologic zones: the shallow zone, which generally consists of finer-grained soils extending from 0 to 15 ft bgs; and the intermediate zone, which generally consists of coarser-grained soils extending from 15 to 60 ft bgs. Seven SVE wells were installed as shallow, single completion SVE wells; three wells were installed as intermediate, single completion SVE wells; and five wells were installed as dual-nested wells. Well construction details for the 15 SVE wells may be found in LFR's Soil Vapor Extraction Well Installation Report, dated September 24, 2008. A full-scale SVE system was installed at the Site in August and September 2008 and operated from October 16, 2008 through December 17, 2012.

ARCADIS installed six SVE/DPE wells (VW-20 through VW-25) and one groundwater monitoring well (MW-20) in deep groundwater on February 20, 2012 through March 5, 2012. The groundwater monitoring and SVE/DPE wells were installed to further refine the site conceptual model, particularly as it relates to the lithology that separates shallow groundwater from the underlying regional aquifer. Well installation details and groundwater sampling results for the six SVE/DPE wells and one groundwater monitoring well were presented in the Well Installation Summary Report, dated May 25, 2012 (ARCADIS 2012a).

3.2 Geology and Hydrogeology

3.2.1 Geologic Setting

ARCADIS conducted a literature review to assess the regional geology at the Site. The following discussion summarizes the geologic setting of the Site and surrounding areas, based primarily on

comprehensive regional investigations conducted by the California Department of Water Resources (CDWR 1961).

The Site is located in the northwestern portion of the Peninsular Ranges geomorphic province of Southern California, within the Santa Fe Springs Plain portion of the Coastal Plain of Los Angeles County. The Site is situated approximately 1.25 miles west of the San Gabriel River and 2 miles southwest of the Puente Hills. The surface topography slopes to the south along the pathway of the San Gabriel River (U.S. Geological Survey [USGS] 1981).

The Site is located on alluvial and fluvial deposits consisting of gravels, sands, silts, and clays, including marine, tidal, and wind deposits closer to the ocean. The alluvium was deposited at the end of the last glacial stage 15,000 years ago over erosional surfaces that existed at the time. These recent deposits unconformably overlie late Pleistocene-aged alluvial sediments known as the Lakewood Formation near the Site. Lithologic changes occur rapidly in the Lakewood Formation with discontinuous permeable zones and variations in particle size. The Lakewood Formation consists of stream and flood plain deposited gravels, sands, silts, and clays and is subdivided into four components described below from shallowest to deepest:

The semi-perched aquifer is the uppermost component and consists of coarse-grained sands and gravels ranging in thickness from 0 to 60 feet. Portions of the semi-perched aquifer were deposited 15,000 years ago and during the late Pleistocene. The name comes from the significant amount of unconfined water present; however, the water is of poor quality and yields only a small quantity.

Underlying the semi-perched aquifer is the Bellflower Aquiclude comprised of flood-plain deposits ranging in particle size from clay and sandy clay to silt. Lenses of sandy or gravelly clays are also known to exist. The Bellflower Aquiclude, like the semi-perched aquifer, contains sediments deposited during the late Pleistocene and 15,000 years ago and ranges in thickness from 0 to 200 feet.

The Gaspur Aquifer, consisting of stream-deposited sands and gravels with small amounts of interbedded clay, immediately underlies the Bellflower Aquiclude. Although the Site is outside the formal extent of the Gaspur Aquifer, time-equivalent stream deposits are present at the Site.

The Gage Aquifer is the basal member of the Lakewood Formation and consists of yellow sands and gravels with interbedded clays. Late Pleistocene in age, the Gage Aquifer occurs at depths greater than 80 feet.

Two active fold structures known as the Santa Fe Springs Anticline and La Habra Syncline are present near the Site and represent very broad folds within the Lakewood Formation deposits.

These structural features are the result of fault-propagation folding above a “blind” (i.e., not exposed at ground surface) reverse fault formally referred to as the Puente Hills blind thrust system. This blind thrust system was only recently discovered as a result of uplift of the Santa Fe Springs Anticline and La Habra Syncline following the 1987 Whittier Narrows (M6.0) earthquake, which accommodated fault slip along the north-dipping Puente Hills thrust (Shaw and Shearer 1999). Both fold axes trend to the northwest and generally parallel the southern flanks of the western Puente Hills. The Site is located above the east-dipping limb between the two-fold structures. The axial trace of the Santa Fe Springs Anticline is located approximately 1 mile south of the Site, and the axial trace of the La Habra Syncline is located approximately 1,500 feet north of the Site. As a result of fold development that was likely synchronous with deposition of portions of the Lakewood Formation, some of the shallow water-bearing zones thin toward the Santa Fe Springs Anticline, which may have been a localized region of minor topographic uplift. The recent deposits from the last glacial stage are mostly undisturbed.

3.3 Site Geology

The primary surface soil near the Site is the Santiago silt loam. Varying in depth from 1 to 6 ft bgs, the Santiago silt loam consists of light- to dark-gray, micaceous silt loam, varying from loose and friable soil to soil having a tendency to pack, bake, and crack open when dry (Mesmer 1903). Ground surface elevation at the Site is approximately 150 feet above mean sea level (ft msl).

Site stratigraphy has been investigated to a maximum depth of 106 ft bgs and primarily represents unconsolidated deposits of the Lakewood Formation. A total of 82 soil borings and 62 monitoring well logs were reviewed in order to evaluate the site stratigraphy.

From ground surface to approximately 15 ft bgs, the soil consists of mainly fine-grained silts and clays with some fine-grained sand. From approximately 15 to 60 ft bgs, the soil is coarser grained, with poorly to well-graded sands with interbedded lenses of fine-grained sediments. This coarser-grained unit is laterally continuous across the Site. Immediately underlying is another predominantly fine-grained silt and clay layer from approximately 60 to 85 ft bgs. Near monitoring well MW-19, in the northwestern portion of the Site, the fine-grained layer is interbedded with coarser-grained silty sand. A laterally continuous, mostly coarse-grained layer was encountered from approximately 85 to 106 ft bgs. Overall, the unconsolidated stratigraphy observed at the Site correlates with the documented descriptions of the Bellflower Aquiclude, the Gaspar Aquifer, and the Gage Aquifer (CDWR 1961).

3.4 Hydrogeologic Setting

In January 1999, the Omega site was placed on the National Priorities List. The USEPA currently manages the Omega site as three operable units (OU1, OU2, and OU3). OU2, the contaminated groundwater area that extends from the former Omega facility to approximately 4.5 miles south-southwest, is the operable unit of interest for this report. A map showing the location of the Omega site and approximate boundaries of OU2 is presented on Figure 2-1 of the Groundwater Remedial Action Plan and Updated Site Conceptual Model (ARCADIS 2013b). The Site is located approximately 1.25 miles downgradient from the Omega site within the groundwater plume footprint.

The climate in the Omega site area is semiarid with moderate temperatures throughout the year. Rainfall occurs primarily during the winter and spring months with a 50-year mean annual rainfall total of 14.3 inches in the City of Whittier (CH2M Hill 2010).

The USEPA has identified four contiguous, coarse-grained, water-bearing zones within OU2, which are labeled from shallowest to deepest: Zone A, Zone B, Zone C, and Zone D. These water-bearing zones are separated by discontinuous fine-grained units, though no single fine-grained layer is laterally continuous across OU2. As a result, some water-bearing zones are in hydraulic communication in some areas, while conversely hydraulically isolated in other areas. Currently, there are six USEPA installed well clusters with monitoring wells screened across all four water-bearing zones (MW-8, MW-23, MW-24, MW-25, MW-26, and MW-27) and four USEPA installed well clusters screened across the shallowest three units (MW-4, MW-16, MW-17, and MW-20).

A summary of the hydrostratigraphy for OU2 is as follows:

- *Zone A.* The shallowest water-bearing zone is under unconfined conditions. Groundwater flows from the Omega site to the southwest, but locally flows to the southeast near the Santa Fe Springs Anticline and the Site. Hydraulic head levels measured near the Site in OU2 monitoring wells screened in Zone A are consistent with head levels measured in Zone A from on-site monitoring wells. Previous work by CH2M Hill indicates that the hydraulic gradient ranged from 0.0085 near the Omega site to 0.0055 near MW-20A (CH2M Hill 2012). CH2M Hill also noted that groundwater elevations varied from approximately 130 ft msl near the Omega site to 55 ft msl near MW-20A (CH2M Hill 2012). The average thickness of Zone A is 50 feet with an average hydraulic conductivity across OU2 of 29 feet per day (ft/day).
- *Zone B, Zone C, and Zone D.* These water-bearing zones are under confined conditions and have an average thickness of 20 feet, 50 feet, and unknown thickness, respectively. Within all

three zones, groundwater flow direction is to the southwest with a flatter hydraulic gradient than observed for Zone A. Hydraulic head levels measured near the Site in OU2 monitoring wells screened in Zone B are consistent with head levels measured in Zone B from on-site monitoring wells. The geometric mean hydraulic conductivities for Zone B, Zone C, and Zone D across OU2 are 29 ft/day, 11.6 ft/day, and 12.3 ft/day, respectively.

Groundwater elevations at the Omega site declined between 2001 and 2004, prior to rebounding in 2005 as a result of recharge from increased annual precipitation. Groundwater elevations remained stable between mid-2005 and mid-2007, followed by significant water level decline through 2010 (CH2M Hill 2012). A slight rebound in water levels appears to be ongoing since 2010.

CH2M Hill (2012) calculated vertical gradients at well clusters screened across Zones A, B, C, and D. Most well clusters exhibited downward vertical gradients as a result of surficial recharge and deep well pumping in the area. Deviations from the normally downward vertical gradient were small relative to the vertical gradients cited in the CH2M Hill groundwater monitoring report and were attributed to local head variations from heterogeneity in the aquifer and measurement error (CH2M Hill 2012).

A remedial investigation/feasibility study (RI/FS) was prepared by CH2M Hill for USEPA for the Omega site. As part of the RI/FS, pumping tests were performed on monitoring wells MW-23A, MW-24A, MW-24C, MW-26, MW-27, and MW-30. Wells in each cluster that were not pumped during testing were monitored using a pressure transducer. The only drawdown response was observed between MW-24B and MW-24C, indicating some degree of hydraulic communication between Zone B and Zone C near those wells. All other wells were hydraulically distinct from the rest of the wells in their respective cluster, suggesting hydraulic isolation between Zones A, B, C, and D near those wells. Differences in groundwater levels among well clusters were also examined to evaluate hydraulic connectivity (i.e., similar hydraulic head) versus hydraulic isolation (i.e., distinguished differences in hydraulic head) between zones. From this analysis, individual wells in well clusters OW-3, OW-8, MW-17, MW-20, MW-26, and MW-27 were found to be hydraulically distinct from one another, indicating that Zones A, B, C, and D are hydraulically isolated near those wells. Well clusters MW-8 excluding MW-8D, MW-25 excluding MW-25A and MW-25B, and all three wells in MW-18 had similar groundwater levels with their respective cluster wells. Near these wells, Zones A, B, C, and D are considered to have limited hydraulically connectivity (CH2M Hill 2010).

A baseline human health risk assessment (HHRA) was conducted as part of the RI/FS. Results of the HHRA for OU2 showed that groundwater resources were “significantly” contaminated by VOCs in groundwater and are unsuitable for domestic use. There was no future risk to ecological

receptors from groundwater contaminants at OU1 and OU2, and no further action was recommended.

3.5 Site Hydrogeology

The hydrostratigraphy at the Site has been investigated to a maximum depth of 106 ft bgs. Two continuous water-bearing permeable units (Zone A and Zone B) have been identified, which are separated by potential aquitards. Perched water was also observed within the vadose zone. The following summarizes the quantity of available soil borings and accessible groundwater monitoring wells that were reviewed to assess the site stratigraphy and groundwater flow direction:

- Vadose Zone: 28 soil borings and 28 monitoring wells
- Zone A: 40 soil borings and 28 monitoring wells
- Zone B: 6 soil borings and 6 monitoring wells.

The site-specific hydrostratigraphy is summarized as follows:

- *Vadose Zone*. Contains laterally discontinuous saturated zones during periods of high rainfall or elevated groundwater levels. Following groundwater level declines, the vadose zone retains a small quantity of water before eventually drying out. Monitoring wells screened in this zone (7 to 25 ft bgs) have been dry since 2008, consistent with regional drought conditions (ARCADIS 2013b, Section 2.3). Due to the discontinuity of periodically saturated intervals, estimates of hydraulic gradient or hydraulic conductivity testing could not be performed in this zone.
- *Zone A*. Correlates with the regional interpretation of Zone A for OU2. This zone contains the first groundwater encountered at the Site with depth to water ranging from 33 to 39 ft bgs. During periods of low precipitation, many of the on-site wells screened across this zone were dry. Groundwater is unconfined and historically flow is predominantly to the southeast across the Site (Figure 2-6, ARCADIS 2013b). The hydraulic gradient for this zone is similar to regional estimates. Hydraulic conductivities from recent slug testing ranged from 0.39 ft/day in monitoring well MW-6 to 7.1 ft/day in VW-23 with a geometric mean conductivity of 1.2 ft/day.
- *Zone B*. Correlates with the regional interpretation of Zone B for OU2 and is under confined conditions. Depth to groundwater ranges from 44 to 47 ft bgs. The hydraulic gradient for this zone was 0.015 in 2012, which is similar to regional estimates. Hydraulic conductivities from

recent slug testing ranged from 2.3 ft/day in monitoring well MW-19 to 66 ft/day in MW-15 with a geometric mean conductivity of 23 ft/day.

- Zone C and Zone D are not currently monitored at the Site.

Groundwater elevations at the Site have fluctuated dramatically since ARCADIS began gauging wells in March 2004. Between March 2004 and 2006, groundwater elevations increased approximately 9 feet. From 2006 to February 2010, groundwater elevations decreased an average of 4 feet per year until rebounding and increasing as much as 10 feet between February 2010 and February 2012. From February 2012 to date, groundwater elevations have decreased as much as 7 to 10 feet. Despite fluctuations in groundwater levels, the hydraulic gradient for Zone A has remained relatively flat across the Site, which is consistent with regional observations in OU2 between the Site and the Omega site. It should be noted that one Zone B well (MW-19) is screened within a permeable unit that is disconnected from other downgradient permeable units within Zone B at the Site. As a result, groundwater elevations measured at MW-19 are likely representative of Zone B hydraulic head levels upgradient from the Site and should not be used for groundwater contouring.

Hydraulic conductivity estimates from recent slug testing at the Site suggest that Zone A is much less permeable than Zone B and that a significant reduction in hydraulic connectivity exists between these two zones. Therefore, the low permeability Zone A significantly impedes both lateral and vertically downward groundwater flow.

The principal surface water feature in the study area is a concrete-lined section of the Los Angeles County Flood Control Channel immediately west of the Site known as the Sorenson Avenue Drain. The channel is typically dry but during storm events may convey runoff to the San Gabriel River and ultimately to the Pacific Ocean.

During the most recent round of sampling at the Site (performed on November 12 through November 14, 2013), the piezometric surface of Zone A ranged from 40.81 ft bgs in wells MW-7 and MW-18 to 44.04 ft bgs in well MW-6. Depth to groundwater measured in MW-16/ART appears anomalous and is not included in this evaluation. Depth to groundwater will continue to be monitored closely in MW-16/ART to evaluate the potential source of this anomalous value. The piezometric surface of Zone B ranged from 44.94 ft bgs in well MW-19 to 59.00 ft bgs in well MW-2. The piezometric surface of Zone B at the Site has decreased an average of 3.37 feet compared to the previous quarter.

On the northern portion of the Site, the groundwater flow direction in Zone A is interpreted to be toward the south, with a horizontal gradient of approximately 0.01 foot of vertical drop per foot of

horizontal distance (ft/ft). On the southern portion of the Site, the groundwater flow direction in Zone A is interpreted to be toward the northeast, converging near monitoring well MW-6. ARCADIS calculated the groundwater gradient in Zone A for the southern portion of the Site at approximately 0.01 ft/ft. The groundwater flow direction in Zone B is interpreted to be toward the southwest, with a horizontal gradient of approximately 0.05 ft/ft.

Table 1 summarizes depth-to-groundwater measurement data and potentiometric surface elevations for the Site. Figure 3 illustrates potentiometric surface elevation contours and interpreted groundwater flow directions for Zone A. Figure 4 illustrates potentiometric surface elevation contours and interpreted groundwater flow directions for Zone B.

4. Field Activities

ARCADIS performed fourth quarter 2013 groundwater monitoring activities at the Site on November 12 through November 14, 2013. Appendix A describes the procedures and standard protocols used to conduct these field activities.

4.1 Groundwater Sampling

ARCADIS gauged a total of 26 wells and sampled 10 of the 26 groundwater monitoring and SVE/DPE wells during the fourth quarter of 2013. Groundwater monitoring wells MCA-1, MCA-2, MCA-3, MCA-4, MW-6, MW-8, MW-9, MW-10, MW-11, MW-12, MW-14, MW-16/ART and SVE/DPE wells VW-1 through VW-4 were dry or had insufficient water and were therefore not sampled during the fourth quarter of 2013. Four groundwater monitoring wells in the A Zone and six groundwater monitoring wells in the B Zone had sufficient groundwater for sample collection.

ARCADIS collected one duplicate groundwater sample from groundwater monitoring well MW-7 for quality assurance purposes. Analytical results for the duplicate sample were consistent with its sample pair. An equipment blank sample was also collected during sampling activities by pouring deionized water through the pump and into three 40-milliliter volatile organic analysis vials.

Prior to sample collection, ARCADIS purged a minimum of three well casing volumes of groundwater from each well (unless the well went dry) using submersible pumps or disposable bailers. The groundwater temperature, specific conductance, and pH were monitored for stabilization during the purging process. Appendix B presents groundwater quality sampling information.

ARCADIS collected a groundwater sample from each well after the well was purged and the water level in the well had recovered to at least 80 percent of the original water level. Groundwater

samples were collected using clean, disposable bailers and decanted into laboratory-supplied sample containers prepared with the appropriate sample preservative. The containers were filled so that no bubbles were visible. Samples were then sealed, labeled, placed in a chilled cooler, and prepared for delivery to the analytical laboratory. A chain-of-custody record was maintained throughout the sample handling process.

5. Analytical Methods and Results

ARCADIS submitted groundwater samples to SunStar Laboratories (SunStar) of Lake Forest, California, for VOC analysis, including Freon-11, Freon-113, and 1,4-dioxane, using USEPA Method 8260B. SunStar is certified by the California Environmental Protection Agency for the above analytical method. Appendix C contains copies of the laboratory data sheets for the groundwater analyses from this sampling event.

5.1 Groundwater Analytical Results

Various VOCs were detected at concentrations above their respective laboratory reporting limits in groundwater from all of the 10 wells sampled. VOCs detected in Zone A and Zone B during the fourth quarter of 2013 are discussed in the following sections.

5.1.1 Zone A

VOCs detected in Zone A samples collected at the Site during this quarterly monitoring event include PCE and trichloroethene (TCE). Analytical results for Zone A samples collected during the fourth quarter of 2013 are summarized below:

- PCE was detected in all of the four groundwater monitoring wells sampled, at concentrations ranging from 13 micrograms per liter ($\mu\text{g/L}$) in MW-5 to 600 $\mu\text{g/L}$ in MW-17.
- TCE was detected in three of the four groundwater monitoring wells sampled, at concentrations ranging from 9.3 $\mu\text{g/L}$ in MW-18 to 32 $\mu\text{g/L}$ in MW-7.

Concentrations of VOCs detected in Zone A samples during the fourth quarter of 2013 were generally consistent with concentration trends observed historically at the Site.

5.1.2 Zone B

VOCs detected in Zone B samples collected at the Site during the fourth quarter of 2013 include PCE, TCE, 1,1-dichloroethene (1,1-DCE), chloroform, cis-1,2-dichloroethene (cis-1,2-DCE),

Freon-11, and Freon-113. Analytical results for Zone B samples collected during the fourth quarter of 2013 are summarized below:

- PCE was detected in all of the six groundwater monitoring wells sampled, at concentrations ranging from 1.2 µg/L in MW-15 to 280 µg/L in MW-19.
- TCE was detected in all of the six groundwater monitoring wells sampled, at concentrations ranging from 1.6 µg/L in MW-1 to 36 µg/L in MW-19.
- 1,1-DCE was detected in three of the six groundwater monitoring wells sampled, at concentrations of 1.6 µg/L in MW-2, 14 µg/L in MW-3, and 2.5 µg/L in MW-19.
- Chloroform was detected in two of the six groundwater monitoring wells sampled, at concentrations of 1.0 µg/L in MW-2 and 3.2 µg/L in MW-3.
- Cis-1,2-DCE was detected in one of the six groundwater monitoring wells sampled, at a concentration of 14 µg/L in MW-19.
- Freon-11 was detected in one of the six groundwater monitoring wells sampled, at a concentration of 6.5 µg/L in MW-3.
- Freon-113 was detected in one of the six groundwater monitoring wells sampled, at a concentration of 17 µg/L in MW-3.

Concentrations of VOCs detected in Zone B groundwater during the fourth quarter of 2013 were generally consistent with concentration trends observed historically at the Site. The presence of PCE and TCE in upgradient, Zone B groundwater monitoring well MW-19 is indicative of an upgradient off-site source.

Groundwater analytical results for the fourth quarter of 2013 are summarized in Table 2. PCE concentrations in Zone A and Zone B are illustrated on Figures 5 and 6, respectively. Figure 7 shows VOC concentrations in Zone A and Zone B for the fourth quarter of 2013.

5.2 Geochemical Analyses

Groundwater samples from Zone A were submitted for geochemical analyses during the second quarter of 2009 groundwater sampling event to evaluate whether natural attenuation of the shallow dissolved-phase VOC plume beneath the Site is occurring as a result of biodegradation. Table 3 tabulates geochemical analytical results for the second quarter of 2009.

Zone A groundwater samples were not analyzed for geochemical parameters during the fourth quarter of 2013.

6. Waste Management

Groundwater produced from the wells during purging and sampling activities was collected in 55-gallon drums, labeled, and temporarily stored on site pending off-site disposal. Non-hazardous purge water was transported to Crosby & Overton in Long Beach, California, on January 17, 2014.

7. Soil Vapor Monitoring

After soil remedial objectives were successfully met for the Site, the RWQCB granted approval to shut down and demobilize the SVE system in a letter dated December 13, 2012. The December 13, 2012 letter also required that a work plan be submitted prior to February 28, 2013 for soil vapor monitoring of potential subsurface VOCs generated by rebound of vadose zone VOCs or groundwater off-gassing. In response, ARCADIS submitted the Work Plan for Soil Vapor Monitoring Program on February 14, 2013, which was subsequently approved in the RWQCB letter titled Approval of Work Plan for Soil Vapor Monitoring Program, dated March 29, 2013. In accordance with this work plan, ARCADIS began quarterly soil vapor monitoring during the second quarter of 2013.

Soil vapor samples were collected from 14 SVE wells screened from approximately 7 to 10 ft bgs: VW-1C, VW-4C, VW-5, VW-6, VW-7, VW-8A, VW-9, VW-10A, VW-11, VW-12, VW-13A, VW-14A, VW-15A, and VW-19A. Soil vapor samples were collected by connecting a purge pump to the appropriate SVE well conveyance pipe and purging the conveyance pipe and SVE well so that soil vapor samples collected for VOC analysis are representative of soil vapor in the subsurface.

On November 11, 2013, soil vapor samples were field screened for VOCs using a photoionization detector (PID) from each of the SVE wells. A subset of soil vapor samples (VW-5, VW-9, VW-13A, VW-15A, and VW-19A) was submitted for laboratory analysis of VOCs by Method TO-15 in lieu of USEPA Method 8260B, following strict chain-of-custody protocol. The continued use of USEPA Method 8260B will commence beginning the first quarter of 2014. Field PID readings and laboratory results are included in Table 4. Analytical reports are included as Appendix D.

8. Conclusions

Compared to the last gauging and sampling event, which was performed on August 20 to August 22, 2013, groundwater elevations at the Site decreased in Zone B during the fourth quarter of 2013. The Zone A piezometric surface ranged from 40.81 ft bgs in wells MW-7 and MW-18 to 44.04 ft bgs

in well MW-6. The piezometric surface of Zone B ranged from 44.94 ft bgs in well MW-19 to 59.00 ft bgs in well MW-2.

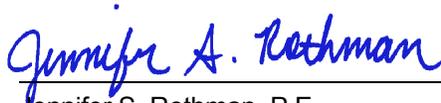
On the northern portion of the Site, the groundwater flow direction in Zone A is interpreted to be toward the south, with a horizontal gradient of approximately 0.01 ft/ft. On the southern portion of the Site, the groundwater flow direction in Zone A is interpreted to be toward the northeast, converging at monitoring well MW-6. ARCADIS calculated the groundwater gradient in Zone A for the southern portion of the Site at approximately 0.01 ft/ft. The groundwater flow direction in Zone B is interpreted to be toward the southwest, with a horizontal gradient of approximately 0.05 ft/ft.

The primary VOCs detected in Zone A groundwater samples include PCE and TCE. The primary VOCs detected in Zone B groundwater samples include PCE, TCE, 1,1-DCE, chloroform, cis-1,2-DCE, Freon-11, and Freon-113. Concentrations of VOCs detected in Zone A and Zone B groundwater during the fourth quarter of 2013 were generally consistent with concentration trends observed historically at the Site.

The next quarterly monitoring and sampling event at the Site is scheduled for February 2014. Our next quarterly report for the Site will be submitted to the RWQCB in April 2014. Soil vapor samples for the first quarter of 2014 will be collected concurrently with the groundwater monitoring event in February 2014.

9. Certification

All engineering information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Professional Engineer registered in the State of California.



Jennifer S. Rothman, P.E.
Principal Civil Engineer
California Professional Civil Engineer (C054606)



February 12, 2014

Date

* A professional engineer's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations or ordinances.

10. Limitations Statement

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when ARCADIS' investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in environmental investigation conclusions cannot reasonably be achieved.

ARCADIS, therefore, does not provide any guarantees, certifications or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

11. References

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ARCADIS

Tables

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-1	03/23/04	1809025.3133	6542170.3703	150.54	35.77	114.77	
MCA-1	06/16/04	1809025.3133	6542170.3703	150.54	36.34	114.20	
MCA-1	09/09/04	1809025.3133	6542170.3703	150.54	38.29	112.25	
MCA-1	12/01/04	1809025.3133	6542170.3703	150.54	40.04	110.50	
MCA-1	02/17/05	1809025.3133	6542170.3703	150.54	37.90	112.64	
MCA-1	05/16/05	1809025.3133	6542170.3703	150.54	30.67	119.87	
MCA-1	08/11/05	1809025.3133	6542170.3703	150.54	28.00	122.54	
MCA-1	11/07/05	1809025.3133	6542170.3703	150.54	27.58	122.96	
MCA-1	02/07/06	1809025.3133	6542170.3703	150.54	29.60	120.94	
MCA-1	05/03/06	1809025.3133	6542170.3703	150.54	27.40	123.14	
MCA-1	07/05/06	1809025.3133	6542170.3703	150.54	27.06	123.48	
MCA-1	10/10/06	1809025.3133	6542170.3703	150.54	28.75	121.79	
MCA-1	01/25/07	1809025.3133	6542170.3703	150.54	29.45	121.09	
MCA-1	05/22/07	1809025.3133	6542170.3703	150.54	27.52	123.02	
MCA-1	08/16/07	1809025.3133	6542170.3703	150.54	29.53	121.01	
MCA-1	11/08/07	1809025.3133	6542170.3703	150.54	34.13	116.41	
MCA-1	02/19/08	1809025.3133	6542170.3703	150.54	34.86	115.68	
MCA-1	05/14/08	1809025.3133	6542170.3703	150.54	33.65	116.89	
MCA-1	08/12/08	1809025.3133	6542170.3703	150.54	36.09	114.45	
MCA-1	10/16/08	1809025.3133	6542170.3703	150.54	38.44	112.10	
MCA-1	02/26/09	1809025.3133	6542170.3703	150.54	41.68	108.86	
MCA-1	05/14/09	1809025.3133	6542170.3703	150.54	42.30	108.24	
MCA-1	08/20/09	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	11/12/09	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	02/09/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	05/13/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	08/04/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	11/04/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	02/23/11	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	05/12/11	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	08/10/11	1809025.3133	6542170.3703	150.54	35.50	115.04	
MCA-1	11/15/11	1809025.3133	6542170.3703	150.54	34.91	115.63	
MCA-1	02/16/12	1809025.3133	6542170.3703	150.61	33.75	116.86	
MCA-1	05/30/12	1809025.3133	6542170.3703	150.61	33.89	116.72	
MCA-1	08/22/12	1809025.3133	6542170.3703	150.61	35.14	115.47	
MCA-1	11/14/12	1809025.3133	6542170.3703	150.61	37.31	113.30	
MCA-1	02/11/13	1809025.3133	6542170.3703	150.61	39.27	111.34	
MCA-1	05/13/13	1809025.3133	6542170.3703	150.61	39.84	110.77	
MCA-1	08/20/13	1809025.3133	6542170.3703	150.61	41.44	109.17	
MCA-1	11/12/13	1809025.3133	6542170.3703	150.61	--	--	Dry
MCA-2	03/23/04	1808975.1837	6542031.8421	150.25	35.34	114.91	
MCA-2	06/16/04	1808975.1837	6542031.8421	150.25	35.66	114.59	
MCA-2	09/09/04	1808975.1837	6542031.8421	150.25	36.91	113.34	
MCA-2	12/01/04	1808975.1837	6542031.8421	150.25	37.76	112.49	
MCA-2	02/17/05	1808975.1837	6542031.8421	150.25	37.10	113.15	
MCA-2	05/16/05	1808975.1837	6542031.8421	150.25	29.87	120.38	
MCA-2	08/11/05	1808975.1837	6542031.8421	150.25	27.37	122.88	
MCA-2	11/07/05	1808975.1837	6542031.8421	150.25	28.20	122.05	
MCA-2	02/07/06	1808975.1837	6542031.8421	150.25	29.45	120.80	

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Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-2	05/03/06	1808975.1837	6542031.8421	150.25	26.87	123.38	
MCA-2	07/05/06	1808975.1837	6542031.8421	150.25	26.62	123.63	
MCA-2	10/10/06	1808975.1837	6542031.8421	150.25	28.40	121.85	
MCA-2	01/25/07	1808975.1837	6542031.8421	150.25	29.00	121.25	
MCA-2	05/22/07	1808975.1837	6542031.8421	150.25	27.00	123.25	
MCA-2	08/16/07	1808975.1837	6542031.8421	150.25	29.34	120.91	
MCA-2	11/08/07	1808975.1837	6542031.8421	150.25	33.08	117.17	
MCA-2	02/18/08	1808975.1837	6542031.8421	150.25	34.23	116.02	
MCA-2	05/13/08	1808975.1837	6542031.8421	150.25	32.65	117.60	
MCA-2	08/12/08	1808975.1837	6542031.8421	150.25	34.82	115.43	
MCA-2	10/16/08	1808975.1837	6542031.8421	150.25	36.61	113.64	
MCA-2	02/26/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	05/14/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	08/20/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	11/12/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	02/09/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	05/13/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	08/04/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	11/04/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	02/23/11	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	05/12/11	1808975.1837	6542031.8421	150.25	37.37	112.88	
MCA-2	08/10/11	1808975.1837	6542031.8421	150.25	34.30	115.95	
MCA-2	11/15/11	1808975.1837	6542031.8421	150.25	34.03	116.22	
MCA-2	02/16/12	1808975.1837	6542031.8421	150.32	33.42	116.90	
MCA-2	05/30/12	1808975.1837	6542031.8421	150.32	33.27	117.05	
MCA-2	08/22/12	1808975.1837	6542031.8421	150.32	34.31	116.01	
MCA-2	11/14/12	1808975.1837	6542031.8421	150.32	36.15	114.17	
MCA-2	02/11/13	1808975.1837	6542031.8421	150.32	37.54	112.78	
MCA-2	05/13/13	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-2	08/20/13	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-2	11/12/13	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-3	03/23/04	1808853.0544	6542059.8626	150.24	35.00	115.24	
MCA-3	06/16/04	1808853.0544	6542059.8626	150.24	36.30	113.94	
MCA-3	09/09/04	1808853.0544	6542059.8626	150.24	37.15	113.09	
MCA-3	12/01/04	1808853.0544	6542059.8626	150.24	38.79	111.45	
MCA-3	02/17/05	1808853.0544	6542059.8626	150.24	37.17	113.07	
MCA-3	05/16/05	1808853.0544	6542059.8626	150.24	30.88	119.36	
MCA-3	08/11/05	1808853.0544	6542059.8626	150.24	27.75	122.49	
MCA-3	11/07/05	1808853.0544	6542059.8626	150.24	28.30	121.94	
MCA-3	02/07/06	1808853.0544	6542059.8626	150.24	29.38	120.86	
MCA-3	05/03/06	1808853.0544	6542059.8626	150.24	27.22	123.02	
MCA-3	07/05/06	1808853.0544	6542059.8626	150.24	26.86	123.38	
MCA-3	10/10/06	1808853.0544	6542059.8626	150.24	28.45	121.79	
MCA-3	01/25/07	1808853.0544	6542059.8626	150.24	29.23	121.01	
MCA-3	05/22/07	1808853.0544	6542059.8626	150.24	27.38	122.86	
MCA-3	08/16/07	1808853.0544	6542059.8626	150.24	29.20	121.04	
MCA-3	11/08/07	1808853.0544	6542059.8626	150.24	32.54	117.70	
MCA-3	02/18/08	1808853.0544	6542059.8626	150.24	34.06	116.18	
MCA-3	05/13/08	1808853.0544	6542059.8626	150.24	32.74	117.50	

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 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-3	08/12/08	1808853.0544	6542059.8626	150.24	34.50	115.74	
MCA-3	10/16/08	1808853.0544	6542059.8626	150.24	36.97	113.27	
MCA-3	02/26/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	05/14/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	08/20/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	11/12/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	02/09/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	05/13/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	08/04/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	11/04/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	02/23/11	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	05/12/11	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	08/10/11	1808853.0544	6542059.8626	150.24	35.58	114.66	
MCA-3	11/15/11	1808853.0544	6542059.8626	150.24	34.42	115.82	
MCA-3	02/16/12	1808853.0544	6542059.8626	150.31	33.97	116.34	
MCA-3	05/30/12	1808853.0544	6542059.8626	150.31	33.66	116.65	
MCA-3	08/22/12	1808853.0544	6542059.8626	150.31	34.28	116.03	
MCA-3	11/14/12	1808853.0544	6542059.8626	150.31	36.60	113.71	
MCA-3	02/11/13	1808853.0544	6542059.8626	150.31	38.30	112.01	
MCA-3	05/13/13	1808853.0544	6542059.8626	150.31	38.88	111.43	
MCA-3	08/20/13	1808853.0544	6542059.8626	150.31	--	--	Dry
MCA-3	11/12/13	1808853.0544	6542059.8626	150.31	--	--	Dry
MCA-4	03/23/04	1809004.3843	6542076.4773	150.79	35.82	114.97	
MCA-4	06/16/04	1809004.3843	6542076.4773	150.79	36.20	114.59	
MCA-4	09/09/04	1809004.3843	6542076.4773	150.79	38.85	111.94	
MCA-4	12/01/04	1809004.3843	6542076.4773	150.79	39.06	111.73	
MCA-4	02/17/05	1809004.3843	6542076.4773	150.79	38.22	112.57	
MCA-4	05/16/05	1809004.3843	6542076.4773	150.79	30.78	120.01	
MCA-4	08/11/05	1809004.3843	6542076.4773	150.79	28.19	122.60	
MCA-4	11/07/05	1809004.3843	6542076.4773	150.79	28.92	121.87	
MCA-4	02/07/06	1809004.3843	6542076.4773	150.79	29.98	120.81	
MCA-4	05/03/06	1809004.3843	6542076.4773	150.79	27.68	123.11	
MCA-4	07/05/06	1809004.3843	6542076.4773	150.79	27.34	123.45	
MCA-4	10/10/06	1809004.3843	6542076.4773	150.79	29.45	121.34	
MCA-4	01/25/07	1809004.3843	6542076.4773	150.79	29.78	121.01	
MCA-4	05/22/07	1809004.3843	6542076.4773	150.79	27.74	123.05	
MCA-4	08/16/07	1809004.3843	6542076.4773	150.79	30.05	120.74	
MCA-4	11/08/07	1809004.3843	6542076.4773	150.79	33.91	116.88	
MCA-4	02/19/08	1809004.3843	6542076.4773	150.79	35.00	115.79	
MCA-4	05/14/08	1809004.3843	6542076.4773	150.79	33.50	117.29	
MCA-4	08/12/08	1809004.3843	6542076.4773	150.79	35.64	115.15	
MCA-4	10/16/08	1809004.3843	6542076.4773	150.79	37.59	113.20	
MCA-4	02/26/09	1809004.3843	6542076.4773	150.79	39.32	111.47	
MCA-4	05/14/09	1809004.3843	6542076.4773	150.79	41.71	109.08	
MCA-4	08/20/09	1809004.3843	6542076.4773	150.79	43.28	107.51	
MCA-4	11/12/09	1809004.3843	6542076.4773	150.79	--	--	Dry
MCA-4	02/09/10	1809004.3843	6542076.4773	150.79	43.87	106.92	
MCA-4	05/13/10	1809004.3843	6542076.4773	150.79	43.93	106.86	
MCA-4	08/04/10	1809004.3843	6542076.4773	150.79	43.00	107.79	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-4	11/04/10	1809004.3843	6542076.4773	150.79	43.31	107.48	
MCA-4	02/23/11	1809004.3843	6542076.4773	150.79	42.34	108.45	
MCA-4	05/12/11	1809004.3843	6542076.4773	150.79	39.35	111.44	
MCA-4	08/10/11	1809004.3843	6542076.4773	150.79	35.67	115.12	
MCA-4	11/15/11	1809004.3843	6542076.4773	150.79	34.11	116.68	
MCA-4	02/16/12	1809004.3843	6542076.4773	150.86	33.37	117.49	
MCA-4	05/30/12	1809004.3843	6542076.4773	150.86	33.57	117.29	
MCA-4	08/22/12	1809004.3843	6542076.4773	150.86	35.03	115.83	
MCA-4	11/14/12	1809004.3843	6542076.4773	150.86	36.77	114.09	
MCA-4	02/11/13	1809004.3843	6542076.4773	150.86	38.90	111.96	
MCA-4	05/13/13	1809004.3843	6542076.4773	150.86	39.42	111.44	
MCA-4	08/20/13	1809004.3843	6542076.4773	150.86	41.14	109.72	
MCA-4	11/12/13	1809004.3843	6542076.4773	150.86	42.93	107.93	
MW-1	03/23/04	1809093.4376	6542052.4768	151.22	44.73	106.49	
MW-1	06/16/04	1809093.4376	6542052.4768	151.22	47.10	104.12	
MW-1	09/09/04	1809093.4376	6542052.4768	151.22	51.16	100.06	
MW-1	12/01/04	1809093.4376	6542052.4768	151.22	51.46	99.76	
MW-1	02/17/05	1809093.4376	6542052.4768	151.22	44.08	107.14	
MW-1	05/16/05	1809093.4376	6542052.4768	151.22	35.92	115.30	
MW-1	08/11/05	1809093.4376	6542052.4768	151.22	36.12	115.10	
MW-1	11/07/05	1809093.4376	6542052.4768	151.22	37.68	113.54	
MW-1	02/07/06	1809093.4376	6542052.4768	151.22	37.78	113.44	
MW-1	05/03/06	1809093.4376	6542052.4768	151.22	34.57	116.65	
MW-1	07/05/06	1809093.4376	6542052.4768	151.22	34.94	116.28	
MW-1	10/10/06	1809093.4376	6542052.4768	151.22	37.80	113.42	
MW-1	01/25/07	1809093.4376	6542052.4768	151.22	37.24	113.98	
MW-1	05/22/07	1809093.4376	6542052.4768	151.22	35.20	116.02	
MW-1	08/16/07	1809093.4376	6542052.4768	151.22	40.18	111.04	
MW-1	11/08/07	1809093.4376	6542052.4768	151.22	45.57	105.65	
MW-1	02/18/08	1809093.4376	6542052.4768	151.22	43.20	108.02	
MW-1	05/13/08	1809093.4376	6542052.4768	151.22	43.07	108.15	
MW-1	08/12/08	1809093.4376	6542052.4768	151.22	48.93	102.29	
MW-1	10/16/08	1809093.4376	6542052.4768	151.22	52.57	98.65	
MW-1	02/26/09	1809093.4376	6542052.4768	151.22	54.37	96.85	
MW-1	05/14/09	1809093.4376	6542052.4768	151.22	54.04	97.18	
MW-1	08/20/09	1809093.4376	6542052.4768	151.22	58.10	93.12	
MW-1	11/12/09	1809093.4376	6542052.4768	151.22	60.82	90.40	
MW-1	02/09/10	1809093.4376	6542052.4768	151.22	59.56	91.66	
MW-1	05/13/10	1809093.4376	6542052.4768	151.22	54.02	97.20	
MW-1	08/04/10	1809093.4376	6542052.4768	151.22	55.70	95.52	
MW-1	11/04/10	1809093.4376	6542052.4768	151.22	57.55	93.67	
MW-1	02/23/11	1809093.4376	6542052.4768	151.22	51.15	100.07	
MW-1	05/12/11	1809093.4376	6542052.4768	151.22	44.57	106.65	
MW-1	08/10/11	1809093.4376	6542052.4768	151.22	41.51	109.71	
MW-1	11/15/11	1809093.4376	6542052.4768	151.22	43.99	107.23	
MW-1	02/16/12	1809093.4376	6542052.4768	151.29	42.45	108.84	
MW-1	05/30/12	1809093.4376	6542052.4768	151.29	43.42	107.87	
MW-1	08/22/12	1809093.4376	6542052.4768	151.29	46.51	104.78	
MW-1	11/14/12	1809093.4376	6542052.4768	151.29	50.34	100.95	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-1	02/11/13	1809093.4376	6542052.4768	151.29	50.21	101.08	
MW-1	05/13/13	1809093.4376	6542052.4768	151.29	51.64	99.65	
MW-1	08/20/13	1809093.4376	6542052.4768	151.29	54.44	96.85	
MW-1	11/12/13	1809093.4376	6542052.4768	151.29	58.03	93.26	
MW-2	03/23/04	1808774.0201	6542075.0787	151.00	45.86	105.14	
MW-2	06/16/04	1808774.0201	6542075.0787	151.00	48.10	102.90	
MW-2	09/09/04	1808774.0201	6542075.0787	151.00	52.04	98.96	
MW-2	12/01/04	1808774.0201	6542075.0787	151.00	52.42	98.58	
MW-2	02/17/05	1808774.0201	6542075.0787	151.00	45.40	105.60	
MW-2	05/16/05	1808774.0201	6542075.0787	151.00	42.92	108.08	
MW-2	08/11/05	1808774.0201	6542075.0787	151.00	37.52	113.48	
MW-2	11/07/05	1808774.0201	6542075.0787	151.00	39.05	111.95	
MW-2	02/07/06	1808774.0201	6542075.0787	151.00	39.21	111.79	
MW-2	05/03/06	1808774.0201	6542075.0787	151.00	36.08	114.92	
MW-2	07/05/06	1808774.0201	6542075.0787	151.00	36.14	114.86	
MW-2	10/10/06	1808774.0201	6542075.0787	151.00	38.80	112.20	
MW-2	01/25/07	1808774.0201	6542075.0787	151.00	38.45	112.55	
MW-2	05/22/07	1808774.0201	6542075.0787	151.00	36.47	114.53	
MW-2	08/16/07	1808774.0201	6542075.0787	151.00	41.13	109.87	
MW-2	11/08/07	1808774.0201	6542075.0787	151.00	46.37	104.63	
MW-2	02/18/08	1808774.0201	6542075.0787	151.00	44.44	106.56	
MW-2	05/14/08	1808774.0201	6542075.0787	151.00	44.35	106.65	
MW-2	08/12/08	1808774.0201	6542075.0787	151.00	49.76	101.24	
MW-2	10/16/08	1808774.0201	6542075.0787	151.00	53.41	97.59	
MW-2	02/26/09	1808774.0201	6542075.0787	151.00	55.38	95.62	
MW-2	05/14/09	1808774.0201	6542075.0787	151.00	55.05	95.95	
MW-2	08/20/09	1808774.0201	6542075.0787	151.00	58.90	92.10	
MW-2	11/12/09	1808774.0201	6542075.0787	151.00	61.65	89.35	
MW-2	02/09/10	1808774.0201	6542075.0787	151.00	60.83	90.17	
MW-2	05/13/10	1808774.0201	6542075.0787	151.00	55.23	95.77	
MW-2	08/04/10	1808774.0201	6542075.0787	151.00	56.69	94.31	
MW-2	11/04/10	1808774.0201	6542075.0787	151.00	58.65	92.35	
MW-2	02/23/11	1808774.0201	6542075.0787	151.00	52.58	98.42	
MW-2	05/12/11	1808774.0201	6542075.0787	151.00	47.24	103.76	
MW-2	08/10/11	1808774.0201	6542075.0787	151.00	42.94	108.06	
MW-2	11/15/11	1808774.0201	6542075.0787	151.00	45.18	105.82	
MW-2	02/16/12	1808774.0201	6542075.0787	151.07	43.80	107.27	
MW-2	05/30/12	1808774.0201	6542075.0787	151.07	44.59	106.48	
MW-2	08/22/12	1808774.0201	6542075.0787	151.07	47.50	103.57	
MW-2	11/14/12	1808774.0201	6542075.0787	151.07	51.22	99.85	
MW-2	02/11/13	1808774.0201	6542075.0787	151.07	51.35	99.72	
MW-2	05/13/13	1808774.0201	6542075.0787	151.07	52.71	98.36	
MW-2	08/20/13	1808774.0201	6542075.0787	151.07	55.52	95.55	
MW-2	11/12/13	1808774.0201	6542075.0787	151.07	59.00	92.07	
MW-3	03/23/04	1808764.6373	6542253.0397	148.90	43.08	105.82	
MW-3	06/16/04	1808764.6373	6542253.0397	148.90	45.22	103.68	
MW-3	09/09/04	1808764.6373	6542253.0397	148.90	49.08	99.82	
MW-3	12/01/04	1808764.6373	6542253.0397	148.90	49.44	99.46	
MW-3	02/17/05	1808764.6373	6542253.0397	148.90	42.64	106.26	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-3	05/16/05	1808764.6373	6542253.0397	148.90	35.28	113.62	
MW-3	08/11/05	1808764.6373	6542253.0397	148.90	34.87	114.03	
MW-3	11/07/05	1808764.6373	6542253.0397	148.90	36.38	112.52	
MW-3	02/07/06	1808764.6373	6542253.0397	148.90	36.80	112.10	
MW-3	05/03/06	1808764.6373	6542253.0397	148.90	33.47	115.43	
MW-3	07/05/06	1808764.6373	6542253.0397	148.90	33.53	115.37	
MW-3	10/10/06	1808764.6373	6542253.0397	148.90	36.15	112.75	
MW-3	01/25/07	1808764.6373	6542253.0397	148.90	35.81	113.09	
MW-3	05/22/07	1808764.6373	6542253.0397	148.90	33.92	114.98	
MW-3	08/16/07	1808764.6373	6542253.0397	148.90	38.45	110.45	
MW-3	11/08/07	1808764.6373	6542253.0397	148.90	43.53	105.37	
MW-3	02/18/08	1808764.6373	6542253.0397	148.90	41.83	107.07	
MW-3	05/13/08	1808764.6373	6542253.0397	148.90	41.49	107.41	
MW-3	08/12/08	1808764.6373	6542253.0397	148.90	46.84	102.06	
MW-3	10/16/08	1808764.6373	6542253.0397	148.90	50.39	98.51	
MW-3	02/26/09	1808764.6373	6542253.0397	148.90	52.32	96.58	
MW-3	05/14/09	1808764.6373	6542253.0397	148.90	52.10	96.80	
MW-3	08/20/09	1808764.6373	6542253.0397	148.90	55.85	93.05	
MW-3	11/12/09	1808764.6373	6542253.0397	148.90	58.60	90.30	
MW-3	02/09/10	1808764.6373	6542253.0397	148.90	57.71	91.19	
MW-3	05/13/10	1808764.6373	6542253.0397	148.90	52.38	96.52	
MW-3	08/04/10	1808764.6373	6542253.0397	148.90	53.88	95.02	
MW-3	11/04/10	1808764.6373	6542253.0397	148.90	55.73	93.17	
MW-3	02/23/11	1808764.6373	6542253.0397	148.90	49.78	99.12	
MW-3	05/12/11	1808764.6373	6542253.0397	148.90	43.56	105.34	
MW-3	08/10/11	1808764.6373	6542253.0397	148.90	40.46	108.44	
MW-3	11/15/11	1808764.6373	6542253.0397	148.90	42.53	106.37	
MW-3	02/16/12	1808764.6373	6542253.0397	148.97	41.13	107.84	
MW-3	05/30/12	1808764.6373	6542253.0397	148.97	41.94	107.03	
MW-3	08/22/12	1808764.6373	6542253.0397	148.97	44.75	104.22	
MW-3	11/14/12	1808764.6373	6542253.0397	148.97	48.38	100.59	
MW-3	02/11/13	1808764.6373	6542253.0397	148.97	48.48	100.49	
MW-3	05/13/13	1808764.6373	6542253.0397	148.97	49.85	99.12	
MW-3	08/20/13	1808764.6373	6542253.0397	148.97	52.58	96.39	
MW-3	11/12/13	1808764.6373	6542253.0397	148.97	55.95	93.02	
MW-5	03/23/04	1809058.952	6542022.3075	151.36	36.70	114.66	
MW-5	06/16/04	1809058.952	6542022.3075	151.36	37.07	114.29	
MW-5	09/09/04	1809058.952	6542022.3075	151.36	38.90	112.46	
MW-5	12/01/04	1809058.952	6542022.3075	151.36	40.35	111.01	
MW-5	02/17/05	1809058.952	6542022.3075	151.36	39.22	112.14	
MW-5	05/16/05	1809058.952	6542022.3075	151.36	30.73	120.63	
MW-5	08/11/05	1809058.952	6542022.3075	151.36	28.60	122.76	
MW-5	11/07/05	1809058.952	6542022.3075	151.36	29.54	121.82	
MW-5	02/07/06	1809058.952	6542022.3075	151.36	30.61	120.75	
MW-5	05/03/06	1809058.952	6542022.3075	151.36	28.10	123.26	
MW-5	07/05/06	1809058.952	6542022.3075	151.36	27.93	123.43	
MW-5	10/10/06	1809058.952	6542022.3075	151.36	29.90	121.46	
MW-5	01/25/07	1809058.952	6542022.3075	151.36	30.33	121.03	
MW-5	05/22/07	1809058.952	6542022.3075	151.36	28.20	123.16	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-5	08/16/07	1809058.952	6542022.3075	151.36	30.92	120.44	
MW-5	11/08/07	1809058.952	6542022.3075	151.36	34.92	116.44	
MW-5	02/18/08	1809058.952	6542022.3075	151.36	35.79	115.57	
MW-5	05/13/08	1809058.952	6542022.3075	151.36	34.18	117.18	
MW-5	08/12/08	1809058.952	6542022.3075	151.36	36.70	114.66	
MW-5	10/16/08	1809058.952	6542022.3075	151.36	38.98	112.38	
MW-5	02/26/09	1809058.952	6542022.3075	151.36	41.70	109.66	
MW-5	05/14/09	1809058.952	6542022.3075	151.36	42.30	109.06	
MW-5	08/20/09	1809058.952	6542022.3075	151.36	43.48	107.88	
MW-5	11/12/09	1809058.952	6542022.3075	151.36	44.96	106.40	
MW-5	02/09/10	1809058.952	6542022.3075	151.36	46.53	104.83	
MW-5	05/13/10	1809058.952	6542022.3075	151.36	44.73	106.63	
MW-5	08/04/10	1809058.952	6542022.3075	151.36	44.04	107.32	
MW-5	11/04/10	1809058.952	6542022.3075	151.36	44.72	106.64	
MW-5	02/23/11	1809058.952	6542022.3075	151.36	42.90	108.46	
MW-5	05/12/11	1809058.952	6542022.3075	151.36	40.16	111.20	
MW-5	08/10/11	1809058.952	6542022.3075	151.36	34.97	116.39	
MW-5	11/15/11	1809058.952	6542022.3075	151.36	35.20	116.16	
MW-5	02/16/12	1809058.952	6542022.3075	151.43	34.25	117.18	
MW-5	05/30/12	1809058.952	6542022.3075	151.43	34.45	116.98	
MW-5	08/22/12	1809058.952	6542022.3075	151.43	35.72	115.71	
MW-5	11/14/12	1809058.952	6542022.3075	151.43	37.97	113.46	
MW-5	02/11/13	1809058.952	6542022.3075	151.43	39.80	111.63	
MW-5	05/13/13	1809058.952	6542022.3075	151.43	40.20	111.23	
MW-5	08/20/13	1809058.952	6542022.3075	151.43	41.45	109.98	
MW-5	11/12/13	1809058.952	6542022.3075	151.43	42.97	108.46	
MW-6	03/23/04	1808928.1774	6542231.3779	151.40	36.12	115.28	
MW-6	06/16/04	1808928.1774	6542231.3779	151.40	36.53	114.87	
MW-6	09/09/04	1808928.1774	6542231.3779	151.40	38.02	113.38	
MW-6	12/01/04	1808928.1774	6542231.3779	151.40	39.66	111.74	
MW-6	02/17/05	1808928.1774	6542231.3779	151.40	39.38	112.02	
MW-6	05/16/05	1808928.1774	6542231.3779	151.40	32.12	119.28	
MW-6	08/11/05	1808928.1774	6542231.3779	151.40	29.15	122.25	
MW-6	11/07/05	1808928.1774	6542231.3779	151.40	29.45	121.95	
MW-6	02/07/06	1808928.1774	6542231.3779	151.40	30.54	120.86	
MW-6	05/03/06	1808928.1774	6542231.3779	151.40	28.49	122.91	
MW-6	07/05/06	1808928.1774	6542231.3779	151.40	28.02	123.38	
MW-6	10/10/06	1808928.1774	6542231.3779	151.40	29.60	121.80	
MW-6	01/25/07	1808928.1774	6542231.3779	151.40	30.37	121.03	
MW-6	05/22/07	1808928.1774	6542231.3779	151.40	28.59	122.81	
MW-6	08/16/07	1808928.1774	6542231.3779	151.40	30.55	120.85	
MW-6	11/08/07	1808928.1774	6542231.3779	151.40	34.12	117.28	
MW-6	02/18/08	1808928.1774	6542231.3779	151.40	35.50	115.90	
MW-6	05/13/08	1808928.1774	6542231.3779	151.40	34.10	117.30	
MW-6	08/12/08	1808928.1774	6542231.3779	151.40	36.18	115.22	
MW-6	10/16/08	1808928.1774	6542231.3779	151.40	--	--	Not Accessible
MW-6	02/26/09	1808928.1774	6542231.3779	151.40	42.83	108.57	
MW-6	05/14/09	1808928.1774	6542231.3779	151.40	43.65	107.75	
MW-6	08/20/09	1808928.1774	6542231.3779	151.40	44.74	106.66	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-6	11/12/09	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	02/09/10	1808928.1774	6542231.3779	151.40	46.08	105.32	
MW-6	05/13/10	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	08/04/10	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	11/04/10	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	02/23/11	1808928.1774	6542231.3779	151.40	45.82	105.58	
MW-6	05/12/11	1808928.1774	6542231.3779	151.40	41.92	109.48	
MW-6	08/10/11	1808928.1774	6542231.3779	151.40	37.00	114.40	
MW-6	11/15/11	1808928.1774	6542231.3779	151.40	35.77	115.63	
MW-6	02/16/12	1808928.1774	6542231.3779	151.47	35.01	116.46	
MW-6	05/30/12	1808928.1774	6542231.3779	151.47	34.84	116.63	
MW-6	08/22/12	1808928.1774	6542231.3779	151.47	35.70	115.77	
MW-6	11/14/12	1808928.1774	6542231.3779	151.47	37.58	113.89	
MW-6	02/11/13	1808928.1774	6542231.3779	151.47	39.20	112.27	
MW-6	05/13/13	1808928.1774	6542231.3779	151.47	39.84	111.63	
MW-6	08/20/13	1808928.1774	6542231.3779	151.47	42.18	109.29	
MW-6	11/12/13	1808928.1774	6542231.3779	151.47	44.04	107.43	
MW-7	03/23/04	1808823.3744	6542235.2072	149.46	34.06	115.40	
MW-7	06/16/04	1808823.3744	6542235.2072	149.46	34.36	115.10	
MW-7	09/09/04	1808823.3744	6542235.2072	149.46	35.90	113.56	
MW-7	12/01/04	1808823.3744	6542235.2072	149.46	37.80	111.66	
MW-7	02/17/05	1808823.3744	6542235.2072	149.46	36.96	112.50	
MW-7	05/16/05	1808823.3744	6542235.2072	149.46	30.36	119.10	
MW-7	08/11/05	1808823.3744	6542235.2072	149.46	27.35	122.11	
MW-7	11/07/05	1808823.3744	6542235.2072	149.46	27.63	121.83	
MW-7	02/07/06	1808823.3744	6542235.2072	149.46	28.57	120.89	
MW-7	05/03/06	1808823.3744	6542235.2072	149.46	26.57	122.89	
MW-7	07/05/06	1808823.3744	6542235.2072	149.46	26.15	123.31	
MW-7	10/10/06	1808823.3744	6542235.2072	149.46	27.70	121.76	
MW-7	01/25/07	1808823.3744	6542235.2072	149.46	28.43	121.03	
MW-7	05/22/07	1808823.3744	6542235.2072	149.46	26.80	122.66	
MW-7	08/16/07	1808823.3744	6542235.2072	149.46	28.53	120.93	
MW-7	11/08/07	1808823.3744	6542235.2072	149.46	32.01	117.45	
MW-7	02/18/08	1808823.3744	6542235.2072	149.46	33.45	116.01	
MW-7	05/13/08	1808823.3744	6542235.2072	149.46	32.15	117.31	
MW-7	08/12/08	1808823.3744	6542235.2072	149.46	34.05	115.41	
MW-7	10/16/08	1808823.3744	6542235.2072	149.46	35.87	113.59	
MW-7	02/26/09	1808823.3744	6542235.2072	149.46	39.45	110.01	
MW-7	05/14/09	1808823.3744	6542235.2072	149.46	40.20	109.26	
MW-7	08/20/09	1808823.3744	6542235.2072	149.46	41.30	108.16	
MW-7	11/12/09	1808823.3744	6542235.2072	149.46	42.45	107.01	
MW-7	02/09/10	1808823.3744	6542235.2072	149.46	44.03	105.43	
MW-7	05/13/10	1808823.3744	6542235.2072	149.46	43.77	105.69	
MW-7	08/04/10	1808823.3744	6542235.2072	149.46	43.27	106.19	
MW-7	11/04/10	1808823.3744	6542235.2072	149.46	43.74	105.72	
MW-7	02/23/11	1808823.3744	6542235.2072	149.46	42.54	106.92	
MW-7	05/12/11	1808823.3744	6542235.2072	149.46	40.48	108.98	
MW-7	08/10/11	1808823.3744	6542235.2072	149.46	35.47	113.99	
MW-7	11/15/11	1808823.3744	6542235.2072	149.46	34.03	115.43	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-7	02/16/12	1808823.3744	6542235.2072	149.53	33.36	116.17	
MW-7	05/30/12	1808823.3744	6542235.2072	149.53	33.10	116.43	
MW-7	08/22/12	1808823.3744	6542235.2072	149.53	33.88	115.65	
MW-7	11/14/12	1808823.3744	6542235.2072	149.53	35.42	114.11	
MW-7	02/11/13	1808823.3744	6542235.2072	149.53	37.38	112.15	
MW-7	05/13/13	1808823.3744	6542235.2072	149.53	38.17	111.36	
MW-7	08/20/13	1808823.3744	6542235.2072	149.53	39.51	110.02	
MW-7	11/12/13	1808823.3744	6542235.2072	149.53	40.81	108.72	
MW-8	03/23/04	1809001.6246	6542229.3612	150.54	35.26	115.28	
MW-8	06/16/04	1809001.6246	6542229.3612	150.54	35.72	114.82	
MW-8	09/09/04	1809001.6246	6542229.3612	150.54	37.38	113.16	
MW-8	12/01/04	1809001.6246	6542229.3612	150.54	38.97	111.57	
MW-8	02/17/05	1809001.6246	6542229.3612	150.54	38.20	112.34	
MW-8	05/16/05	1809001.6246	6542229.3612	150.54	30.94	119.60	
MW-8	08/11/05	1809001.6246	6542229.3612	150.54	28.12	122.42	
MW-8	11/07/05	1809001.6246	6542229.3612	150.54	28.73	121.81	
MW-8	02/07/06	1809001.6246	6542229.3612	150.54	29.57	120.97	
MW-8	05/03/06	1809001.6246	6542229.3612	150.54	27.44	123.10	
MW-8	07/05/06	1809001.6246	6542229.3612	150.54	27.17	123.37	
MW-8	10/10/06	1809001.6246	6542229.3612	150.54	28.85	121.69	
MW-8	01/25/07	1809001.6246	6542229.3612	150.54	29.39	121.15	
MW-8	05/22/07	1809001.6246	6542229.3612	150.54	27.59	122.95	
MW-8	08/16/07	1809001.6246	6542229.3612	150.54	29.54	121.00	
MW-8	11/08/07	1809001.6246	6542229.3612	150.54	33.45	117.09	
MW-8	02/18/08	1809001.6246	6542229.3612	150.54	34.60	115.94	
MW-8	05/13/08	1809001.6246	6542229.3612	150.54	34.05	116.49	
MW-8	08/12/08	1809001.6246	6542229.3612	150.54	35.41	115.13	
MW-8	10/16/08	1809001.6246	6542229.3612	150.54	37.38	113.16	
MW-8	02/26/09	1809001.6246	6542229.3612	150.54	40.45	110.09	
MW-8	05/14/09	1809001.6246	6542229.3612	150.54	41.40	109.14	
MW-8	08/20/09	1809001.6246	6542229.3612	150.54	41.67	108.87	
MW-8	11/12/09	1809001.6246	6542229.3612	150.54	41.68	108.86	
MW-8	02/09/10	1809001.6246	6542229.3612	150.54	41.61	108.93	
MW-8	05/13/10	1809001.6246	6542229.3612	150.54	--	--	Dry
MW-8	08/04/10	1809001.6246	6542229.3612	150.54	41.69	108.85	
MW-8	11/04/10	1809001.6246	6542229.3612	150.54	41.60	108.94	
MW-8	02/23/11	1809001.6246	6542229.3612	150.54	41.72	108.82	
MW-8	05/12/11	1809001.6246	6542229.3612	150.54	41.29	109.25	
MW-8	08/10/11	1809001.6246	6542229.3612	150.54	35.72	114.82	
MW-8	11/15/11	1809001.6246	6542229.3612	150.54	34.73	115.81	
MW-8	02/16/12	1809001.6246	6542229.3612	150.61	33.82	116.79	
MW-8	05/30/12	1809001.6246	6542229.3612	150.61	33.90	116.71	
MW-8	08/22/12	1809001.6246	6542229.3612	150.61	34.92	115.69	
MW-8	11/14/12	1809001.6246	6542229.3612	150.61	36.82	113.79	
MW-8	02/11/13	1809001.6246	6542229.3612	150.61	38.66	111.95	
MW-8	05/13/13	1809001.6246	6542229.3612	150.61	39.13	111.48	
MW-8	08/20/13	1809001.6246	6542229.3612	150.61	40.39	110.22	
MW-8	11/12/13	1809001.6246	6542229.3612	150.61	--	--	Dry
MW-9	03/23/04	1808949.6295	6542106.8055	151.18	36.06	115.12	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-9	06/16/04	1808949.6295	6542106.8055	151.18	36.34	114.84	
MW-9	09/09/04	1808949.6295	6542106.8055	151.18	37.50	113.68	
MW-9	12/01/04	1808949.6295	6542106.8055	151.18	38.63	112.55	
MW-9	02/17/05	1808949.6295	6542106.8055	151.18	38.66	112.52	
MW-9	05/16/05	1808949.6295	6542106.8055	151.18	31.62	119.56	
MW-9	08/11/05	1808949.6295	6542106.8055	151.18	28.72	122.46	
MW-9	11/07/05	1808949.6295	6542106.8055	151.18	29.26	121.92	
MW-9	02/07/06	1808949.6295	6542106.8055	151.18	30.31	120.87	
MW-9	05/03/06	1808949.6295	6542106.8055	151.18	28.23	122.95	
MW-9	07/05/06	1808949.6295	6542106.8055	151.18	27.82	123.36	
MW-9	10/10/06	1808949.6295	6542106.8055	151.18	29.40	121.78	
MW-9	01/25/07	1808949.6295	6542106.8055	151.18	30.15	121.03	
MW-9	05/22/07	1808949.6295	6542106.8055	151.18	28.31	122.87	
MW-9	08/16/07	1808949.6295	6542106.8055	151.18	30.35	120.83	
MW-9	11/08/07	1808949.6295	6542106.8055	151.18	33.90	117.28	
MW-9	02/19/08	1808949.6295	6542106.8055	151.18	35.19	115.99	
MW-9	05/14/08	1808949.6295	6542106.8055	151.18	34.53	116.65	
MW-9	08/12/08	1808949.6295	6542106.8055	151.18	35.70	115.48	
MW-9	10/16/08	1808949.6295	6542106.8055	151.18	37.21	113.97	
MW-9	02/26/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	05/14/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	08/20/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	11/12/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	02/09/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	05/13/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	08/04/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	11/04/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	02/23/11	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	05/12/11	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	08/10/11	1808949.6295	6542106.8055	151.18	37.41	113.77	
MW-9	11/15/11	1808949.6295	6542106.8055	151.18	35.41	115.77	
MW-9	02/16/12	1808949.6295	6542106.8055	151.25	34.87	116.38	
MW-9	05/30/12	1808949.6295	6542106.8055	151.25	34.60	116.65	
MW-9	08/22/12	1808949.6295	6542106.8055	151.25	35.41	115.84	
MW-9	11/14/12	1808949.6295	6542106.8055	151.25	37.21	114.04	
MW-9	02/11/13	1808949.6295	6542106.8055	151.25	38.55	112.70	
MW-9	05/13/13	1808949.6295	6542106.8055	151.25	39.28	111.97	
MW-9	08/20/13	1808949.6295	6542106.8055	151.25	--	--	Dry
MW-9	11/12/13	1808949.6295	6542106.8055	151.25	--	--	Dry
MW-10	03/23/04	1808960.7764	6542159.3225	151.34	36.20	115.14	
MW-10	06/16/04	1808960.7764	6542159.3225	151.34	36.48	114.86	
MW-10	09/09/04	1808960.7764	6542159.3225	151.34	37.84	113.50	
MW-10	12/01/04	1808960.7764	6542159.3225	151.34	39.33	112.01	
MW-10	02/17/05	1808960.7764	6542159.3225	151.34	38.84	112.50	
MW-10	05/16/05	1808960.7764	6542159.3225	151.34	32.04	119.30	
MW-10	08/11/05	1808960.7764	6542159.3225	151.34	28.90	122.44	
MW-10	11/07/05	1808960.7764	6542159.3225	151.34	29.42	121.92	
MW-10	02/07/06	1808960.7764	6542159.3225	151.34	30.47	120.87	
MW-10	05/03/06	1808960.7764	6542159.3225	151.34	28.45	122.89	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-10	07/05/06	1808960.7764	6542159.3225	151.34	27.97	123.37	
MW-10	10/10/06	1808960.7764	6542159.3225	151.34	29.55	121.79	
MW-10	01/25/07	1808960.7764	6542159.3225	151.34	30.32	121.02	
MW-10	05/22/07	1808960.7764	6542159.3225	151.34	28.48	122.86	
MW-10	08/16/07	1808960.7764	6542159.3225	151.34	30.34	121.00	
MW-10	11/08/07	1808960.7764	6542159.3225	151.34	34.12	117.22	
MW-10	02/19/08	1808960.7764	6542159.3225	151.34	35.38	115.96	
MW-10	05/14/08	1808960.7764	6542159.3225	151.34	34.15	117.19	
MW-10	08/12/08	1808960.7764	6542159.3225	151.34	35.93	115.41	
MW-10	10/16/08	1808960.7764	6542159.3225	151.34	37.67	113.67	
MW-10	02/26/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	05/14/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	08/20/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	11/12/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	02/09/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	05/13/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	08/04/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	11/04/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	02/23/11	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	05/12/11	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	08/10/11	1808960.7764	6542159.3225	151.34	37.96	113.38	
MW-10	11/15/11	1808960.7764	6542159.3225	151.34	35.62	115.72	
MW-10	02/16/12	1808960.7764	6542159.3225	151.41	35.00	116.41	
MW-10	05/30/12	1808960.7764	6542159.3225	151.41	34.89	116.52	
MW-10	08/22/12	1808960.7764	6542159.3225	151.41	35.73	115.68	
MW-10	11/14/12	1808960.7764	6542159.3225	151.41	37.63	113.78	
MW-10	02/11/13	1808960.7764	6542159.3225	151.41	39.15	112.26	
MW-10	05/13/13	1808960.7764	6542159.3225	151.41	39.91	111.50	
MW-10	08/20/13	1808960.7764	6542159.3225	151.41	--	--	Dry
MW-10	11/12/13	1808960.7764	6542159.3225	151.41	--	--	Dry
MW-11	03/23/04	1808919.9698	6542161.3447	151.39	36.11	115.28	
MW-11	06/16/04	1808919.9698	6542161.3447	151.39	36.45	114.94	
MW-11	09/09/04	1808919.9698	6542161.3447	151.39	37.64	113.75	
MW-11	12/01/04	1808919.9698	6542161.3447	151.39	39.36	112.03	
MW-11	02/17/05	1808919.9698	6542161.3447	151.39	38.86	112.53	
MW-11	05/16/05	1808919.9698	6542161.3447	151.39	32.02	119.37	
MW-11	08/11/05	1808919.9698	6542161.3447	151.39	29.02	122.37	
MW-11	11/07/05	1808919.9698	6542161.3447	151.39	29.46	121.93	
MW-11	02/07/06	1808919.9698	6542161.3447	151.39	30.51	120.88	
MW-11	05/03/06	1808919.9698	6542161.3447	151.39	28.49	122.90	
MW-11	07/05/06	1808919.9698	6542161.3447	151.39	28.05	123.34	
MW-11	10/10/06	1808919.9698	6542161.3447	151.39	29.60	121.79	
MW-11	01/25/07	1808919.9698	6542161.3447	151.39	30.33	121.06	
MW-11	05/22/07	1808919.9698	6542161.3447	151.39	28.60	122.79	
MW-11	08/16/07	1808919.9698	6542161.3447	151.39	30.57	120.82	
MW-11	11/08/07	1808919.9698	6542161.3447	151.39	34.03	117.36	
MW-11	02/19/08	1808919.9698	6542161.3447	151.39	35.37	116.02	
MW-11	05/14/08	1808919.9698	6542161.3447	151.39	34.07	117.32	
MW-11	08/12/08	1808919.9698	6542161.3447	151.39	35.90	115.49	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-11	10/16/08	1808919.9698	6542161.3447	151.39	37.40	113.99	
MW-11	02/26/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	05/14/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	08/20/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	11/12/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	02/09/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	05/13/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	08/04/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	11/04/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	02/23/11	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	05/12/11	1808919.9698	6542161.3447	151.39	40.86	110.53	
MW-11	08/10/11	1808919.9698	6542161.3447	151.39	38.68	112.71	
MW-11	11/15/11	1808919.9698	6542161.3447	151.39	35.57	115.82	
MW-11	02/16/12	1808919.9698	6542161.3447	151.46	35.15	116.31	
MW-11	05/30/12	1808919.9698	6542161.3447	151.46	34.91	116.55	
MW-11	08/22/12	1808919.9698	6542161.3447	151.46	35.55	115.91	
MW-11	11/14/12	1808919.9698	6542161.3447	151.46	37.28	114.18	
MW-11	02/11/13	1808919.9698	6542161.3447	151.46	38.90	112.56	
MW-11	05/13/13	1808919.9698	6542161.3447	151.46	40.28	111.18	
MW-11	08/20/13	1808919.9698	6542161.3447	151.46	41.96	109.50	
MW-11	11/12/13	1808919.9698	6542161.3447	151.46	--	--	Dry
MW-12	03/23/04	1808882.2468	6542235.0537	151.35	36.02	115.33	
MW-12	06/16/04	1808882.2468	6542235.0537	151.35	36.40	114.95	
MW-12	09/09/04	1808882.2468	6542235.0537	151.35	37.81	113.54	
MW-12	12/01/04	1808882.2468	6542235.0537	151.35	39.78	111.57	
MW-12	02/17/05	1808882.2468	6542235.0537	151.35	39.34	112.01	
MW-12	05/16/05	1808882.2468	6542235.0537	151.35	32.08	119.27	
MW-12	08/11/05	1808882.2468	6542235.0537	151.35	29.12	122.23	
MW-12	11/07/05	1808882.2468	6542235.0537	151.35	29.54	121.81	
MW-12	02/07/06	1808882.2468	6542235.0537	151.35	30.44	120.91	
MW-12	05/03/06	1808882.2468	6542235.0537	151.35	28.46	122.89	
MW-12	07/05/06	1808882.2468	6542235.0537	151.35	28.15	123.20	
MW-12	10/10/06	1808882.2468	6542235.0537	151.35	29.60	121.75	
MW-12	01/25/07	1808882.2468	6542235.0537	151.35	30.30	121.05	
MW-12	05/22/07	1808882.2468	6542235.0537	151.35	28.61	122.74	
MW-12	08/16/07	1808882.2468	6542235.0537	151.35	30.60	120.75	
MW-12	11/08/07	1808882.2468	6542235.0537	151.35	34.07	117.28	
MW-12	02/19/08	1808882.2468	6542235.0537	151.35	35.40	115.95	
MW-12	05/13/08	1808882.2468	6542235.0537	151.35	34.00	117.35	
MW-12	08/12/08	1808882.2468	6542235.0537	151.35	36.03	115.32	
MW-12	10/16/08	1808882.2468	6542235.0537	151.35	37.77	113.58	
MW-12	02/26/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	05/14/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	08/20/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	11/12/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	02/09/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	05/13/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	08/04/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	11/04/10	1808882.2468	6542235.0537	151.35	--	--	Dry

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-12	02/23/11	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	05/12/11	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	08/10/11	1808882.2468	6542235.0537	151.35	37.44	113.91	
MW-12	11/15/11	1808882.2468	6542235.0537	151.35	35.88	115.47	
MW-12	02/16/12	1808882.2468	6542235.0537	151.42	35.18	116.24	
MW-12	05/30/12	1808882.2468	6542235.0537	151.42	34.97	116.45	
MW-12	08/22/12	1808882.2468	6542235.0537	151.42	35.78	115.64	
MW-12	11/14/12	1808882.2468	6542235.0537	151.42	37.51	113.91	
MW-12	02/11/13	1808882.2468	6542235.0537	151.42	39.26	112.16	
MW-12	05/13/13	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-12	08/20/13	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-12	11/12/13	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-14	03/23/04	1809009.9622	6542038.2203	150.65	37.86	112.79	
MW-14	06/16/04	1809009.9622	6542038.2203	150.65	36.16	114.49	
MW-14	09/09/04	1809009.9622	6542038.2203	150.65	37.84	112.81	
MW-14	12/01/04	1809009.9622	6542038.2203	150.65	38.94	111.71	
MW-14	02/17/05	1809009.9622	6542038.2203	150.65	38.16	112.49	
MW-14	05/16/05	1809009.9622	6542038.2203	150.65	30.15	120.50	
MW-14	08/11/05	1809009.9622	6542038.2203	150.65	27.98	122.67	
MW-14	11/07/05	1809009.9622	6542038.2203	150.65	28.85	121.80	
MW-14	02/07/06	1809009.9622	6542038.2203	150.65	29.90	120.75	
MW-14	05/03/06	1809009.9622	6542038.2203	150.65	27.45	123.20	
MW-14	07/05/06	1809009.9622	6542038.2203	150.65	27.29	123.36	
MW-14	10/10/06	1809009.9622	6542038.2203	150.65	29.10	121.55	
MW-14	01/25/07	1809009.9622	6542038.2203	150.65	29.67	120.98	
MW-14	05/22/07	1809009.9622	6542038.2203	150.65	27.57	123.08	
MW-14	08/16/07	1809009.9622	6542038.2203	150.65	30.15	120.50	
MW-14	11/08/07	1809009.9622	6542038.2203	150.65	34.06	116.59	
MW-14	02/18/08	1809009.9622	6542038.2203	150.65	35.00	115.65	
MW-14	05/14/08	1809009.9622	6542038.2203	150.65	33.47	117.18	
MW-14	08/12/08	1809009.9622	6542038.2203	150.65	35.72	114.93	
MW-14	10/16/08	1809009.9622	6542038.2203	150.65	37.67	112.98	
MW-14	02/26/09	1809009.9622	6542038.2203	150.65	40.21	110.44	
MW-14	05/14/09	1809009.9622	6542038.2203	150.65	41.16	109.49	
MW-14	08/20/09	1809009.9622	6542038.2203	150.65	42.32	108.33	
MW-14	11/12/09	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	02/09/10	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	05/13/10	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	08/04/10	1809009.9622	6542038.2203	150.65	42.41	108.24	
MW-14	11/04/10	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	02/23/11	1809009.9622	6542038.2203	150.65	41.23	109.42	
MW-14	05/12/11	1809009.9622	6542038.2203	150.65	39.00	111.65	
MW-14	08/10/11	1809009.9622	6542038.2203	150.65	34.50	116.15	
MW-14	11/15/11	1809009.9622	6542038.2203	150.65	34.46	116.19	
MW-14	02/16/12	1809009.9622	6542038.2203	150.72	33.70	117.02	
MW-14	05/30/12	1809009.9622	6542038.2203	150.72	33.80	116.92	
MW-14	08/22/12	1809009.9622	6542038.2203	150.72	34.87	115.85	
MW-14	11/14/12	1809009.9622	6542038.2203	150.72	36.85	113.87	
MW-14	02/11/13	1809009.9622	6542038.2203	150.72	38.65	112.07	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-14	05/13/13	1809009.9622	6542038.2203	150.72	39.15	111.57	
MW-14	08/20/13	1809009.9622	6542038.2203	150.72	40.87	109.85	
MW-14	11/12/13	1809009.9622	6542038.2203	150.72	--	--	Dry
MW-15	08/12/08	1808981.55	6542031.38	149.98	48.67	101.31	
MW-15	10/16/08	1808981.55	6542031.38	149.98	52.40	97.58	
MW-15	02/26/09	1808981.55	6542031.38	149.98	54.00	95.98	
MW-15	05/14/09	1808981.55	6542031.38	149.98	53.90	96.08	
MW-15	08/20/09	1808981.55	6542031.38	149.98	57.89	92.09	
MW-15	11/12/09	1808981.55	6542031.38	149.98	60.75	89.23	
MW-15	02/09/10	1808981.55	6542031.38	149.98	59.40	90.58	
MW-15	05/13/10	1808981.55	6542031.38	149.98	53.75	96.23	
MW-15	08/04/10	1808981.55	6542031.38	149.98	55.48	94.50	
MW-15	11/04/10	1808981.55	6542031.38	149.98	57.42	92.56	
MW-15	02/23/11	1808981.55	6542031.38	149.98	51.00	98.98	
MW-15	05/12/11	1808981.55	6542031.38	149.98	44.39	105.59	
MW-15	08/10/11	1808981.55	6542031.38	149.98	41.33	108.65	
MW-15	11/15/11	1808981.55	6542031.38	149.98	43.72	106.26	
MW-15	02/16/12	1808981.55	6542031.38	149.98	42.32	107.66	
MW-15	05/30/12	1808981.55	6542031.38	149.98	43.20	106.78	
MW-15	08/22/12	1808981.55	6542031.38	149.98	46.23	103.75	
MW-15	11/14/12	1808981.55	6542031.38	149.98	50.04	99.94	
MW-15	02/11/13	1808981.55	6542031.38	149.98	50.08	99.90	
MW-15	05/13/13	1808981.55	6542031.38	149.98	51.48	98.50	
MW-15	08/20/13	1808981.55	6542031.38	149.98	54.33	95.65	
MW-15	11/12/13	1808981.55	6542031.38	149.98	58.02	91.96	
MW-16/ART	10/16/08	1809009.43	6542094.28	150.35	36.92	113.43	
MW-16/ART	02/26/09	1809009.43	6542094.28	150.35	--	--	Not Accessible
MW-16/ART	05/13/13	1809009.43	6542094.28	150.35	31.71	118.64	
MW-16/ART	08/20/13	1809009.43	6542094.28	150.35	--	--	Dry
MW-16/ART	11/12/13	1809009.43	6542094.28	150.35	33.30	117.05	
MW-17	08/12/08	1809090.9	6542066.4	151.15	36.50	114.65	
MW-17	10/16/08	1809090.9	6542066.4	151.15	38.80	112.35	
MW-17	02/26/09	1809090.9	6542066.4	151.15	41.68	109.47	
MW-17	05/14/09	1809090.9	6542066.4	151.15	42.30	108.85	
MW-17	08/20/09	1809090.9	6542066.4	151.15	43.98	107.17	
MW-17	11/12/09	1809090.9	6542066.4	151.15	45.75	105.40	
MW-17	02/09/10	1809090.9	6542066.4	151.15	46.70	104.45	
MW-17	05/13/10	1809090.9	6542066.4	151.15	45.68	105.47	
MW-17	08/04/10	1809090.9	6542066.4	151.15	44.59	106.56	
MW-17	11/04/10	1809090.9	6542066.4	151.15	45.14	106.01	
MW-17	02/23/11	1809090.9	6542066.4	151.15	43.84	107.31	
MW-17	05/12/11	1809090.9	6542066.4	151.15	40.07	111.08	
MW-17	08/10/11	1809090.9	6542066.4	151.15	34.98	116.17	
MW-17	11/15/11	1809090.9	6542066.4	151.15	35.05	116.10	
MW-17	02/16/12	1809090.9	6542066.4	151.15	34.02	117.13	
MW-17	05/30/12	1809090.9	6542066.4	151.15	34.24	116.91	
MW-17	08/22/12	1809090.9	6542066.4	151.15	39.57	111.58	
MW-17	11/14/12	1809090.9	6542066.4	151.15	37.87	113.28	
MW-17	02/11/13	1809090.9	6542066.4	151.15	39.59	111.56	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-17	05/13/13	1809090.9	6542066.4	151.15	39.97	111.18	
MW-17	08/20/13	1809090.9	6542066.4	151.15	41.32	109.83	
MW-17	11/12/13	1809090.9	6542066.4	151.15	42.78	108.37	
MW-18	08/12/08	1809079.87	6542281.55	149.22	34.28	114.94	
MW-18	10/16/08	1809079.87	6542281.55	149.22	36.52	112.70	
MW-18	02/26/09	1809079.87	6542281.55	149.22	39.94	109.28	
MW-18	05/14/09	1809079.87	6542281.55	149.22	40.65	108.57	
MW-18	08/20/09	1809079.87	6542281.55	149.22	41.67	107.55	
MW-18	11/12/09	1809079.87	6542281.55	149.22	43.10	106.12	
MW-18	02/09/10	1809079.87	6542281.55	149.22	45.19	104.03	
MW-18	05/13/10	1809079.87	6542281.55	149.22	43.85	105.37	
MW-18	08/04/10	1809079.87	6542281.55	149.22	42.38	106.84	
MW-18	11/04/10	1809079.87	6542281.55	149.22	43.03	106.19	
MW-18	02/23/11	1809079.87	6542281.55	149.22	41.95	107.27	
MW-18	05/12/11	1809079.87	6542281.55	149.22	38.37	110.85	
MW-18	08/10/11	1809079.87	6542281.55	149.22	33.14	116.08	
MW-18	11/15/11	1809079.87	6542281.55	149.22	33.45	115.77	
MW-18	02/16/12	1809079.87	6542281.55	149.22	32.32	116.90	
MW-18	05/30/12	1809079.87	6542281.55	149.22	32.39	116.83	
MW-18	08/22/12	1809079.87	6542281.55	149.22	33.63	115.59	
MW-18	11/14/12	1809079.87	6542281.55	149.22	35.82	113.40	
MW-18	02/11/13	1809079.87	6542281.55	149.22	37.34	111.88	
MW-18	05/13/13	1809079.87	6542281.55	149.22	37.80	111.42	
MW-18	08/20/13	1809079.87	6542281.55	149.22	39.28	109.94	
MW-18	11/12/13	1809079.87	6542281.55	149.22	40.81	108.41	
MW-19	08/12/08	1809079.47	6542277.98	149.23	37.85	111.38	
MW-19	10/16/08	1809079.47	6542277.98	149.23	40.53	108.70	
MW-19	02/26/09	1809079.47	6542277.98	149.23	43.90	105.33	
MW-19	05/14/09	1809079.47	6542277.98	149.23	43.56	105.67	
MW-19	08/20/09	1809079.47	6542277.98	149.23	45.56	103.67	
MW-19	11/12/09	1809079.47	6542277.98	149.23	47.54	101.69	
MW-19	02/09/10	1809079.47	6542277.98	149.23	48.85	100.38	
MW-19	05/13/10	1809079.47	6542277.98	149.23	46.26	102.97	
MW-19	08/04/10	1809079.47	6542277.98	149.23	45.35	103.88	
MW-19	11/04/10	1809079.47	6542277.98	149.23	46.25	102.98	
MW-19	02/23/11	1809079.47	6542277.98	149.23	44.05	105.18	
MW-19	05/12/11	1809079.47	6542277.98	149.23	38.75	110.48	
MW-19	08/10/11	1809079.47	6542277.98	149.23	34.39	114.84	
MW-19	11/15/11	1809079.47	6542277.98	149.23	35.60	113.63	
MW-19	02/16/12	1809079.47	6542277.98	149.23	34.25	114.98	
MW-19	05/30/12	1809079.47	6542277.98	149.23	34.70	114.53	
MW-19	08/22/12	1809079.47	6542277.98	149.23	36.54	112.69	
MW-19	11/14/12	1809079.47	6542277.98	149.23	39.31	109.92	
MW-19	02/11/13	1809079.47	6542277.98	149.23	40.28	108.95	
MW-19	05/13/13	1809079.47	6542277.98	149.23	40.95	108.28	
MW-19	08/20/13	1809079.47	6542277.98	149.23	42.80	106.43	
MW-19	11/12/13	1809079.47	6542277.98	149.23	44.94	104.29	
MW-20	11/14/12	1808999.35	6542069.70	151.19	50.38	100.81	
MW-20	02/11/13	1808999.35	6542069.70	151.19	50.98	100.21	

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-20	05/13/13	1808999.35	6542069.70	151.19	52.47	98.72	
MW-20	08/20/13	1808999.35	6542069.70	151.19	54.68	96.51	
MW-20	11/12/13	1808999.35	6542069.70	151.19	58.65	92.54	
VW-1	10/10/06	1808995.91	6542096.57	150.91	28.95	121.96	
VW-1	01/25/07	1808995.91	6542096.57	150.91	29.90	121.01	
VW-1	05/22/07	1808995.91	6542096.57	150.91	27.92	122.99	
VW-1	08/16/07	1808995.91	6542096.57	150.91	30.03	120.88	
VW-1	11/08/07	1808995.91	6542096.57	150.91	33.86	117.05	
VW-1	02/19/08	1808995.91	6542096.57	150.91	35.25	115.66	
VW-1	05/14/08	1808995.91	6542096.57	150.91	33.62	117.29	
VW-1	08/12/08	1808995.91	6542096.57	150.91	35.58	115.33	
VW-1	10/16/08	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	02/26/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	05/14/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	08/20/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	11/12/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	02/09/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	05/13/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	08/04/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	11/04/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	02/23/11	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	05/12/11	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	08/10/11	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	11/15/11	1808995.91	6542096.57	150.91	34.40	116.51	
VW-1	02/16/12	1808995.91	6542096.57	150.98	33.83	117.15	
VW-1	05/30/12	1808995.91	6542096.57	150.98	34.40	116.58	
VW-1	08/22/12	1808995.91	6542096.57	150.98	35.23	115.75	
VW-1	11/14/12	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	02/11/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	05/13/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	08/20/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	11/12/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-2	10/10/06	1808996.13	6542089.75	150.67	28.85	121.82	
VW-2	01/25/07	1808996.13	6542089.75	150.67	29.68	120.99	
VW-2	05/22/07	1808996.13	6542089.75	150.67	27.68	122.99	
VW-2	08/16/07	1808996.13	6542089.75	150.67	29.84	120.83	
VW-2	11/08/07	1808996.13	6542089.75	150.67	33.72	116.95	
VW-2	02/19/08	1808996.13	6542089.75	150.67	34.89	115.78	
VW-2	05/14/08	1808996.13	6542089.75	150.67	33.39	117.28	
VW-2	08/12/08	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	10/16/08	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	02/26/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	05/14/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	08/20/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	11/12/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	02/09/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	05/13/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	08/04/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	11/04/10	1808996.13	6542089.75	150.67	--	--	Dry

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
VW-2	02/23/11	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	05/12/11	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	08/10/11	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	11/15/11	1808996.13	6542089.75	150.67	33.85	116.82	
VW-2	02/16/12	1808996.13	6542089.75	150.74	33.26	117.48	
VW-2	05/30/12	1808996.13	6542089.75	150.74	33.32	117.42	
VW-2	08/22/12	1808996.13	6542089.75	150.74	34.42	116.32	
VW-2	11/14/12	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	02/11/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	05/13/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	08/20/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	11/12/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-3	10/10/06	1808996.28	6542084.29	150.56	28.85	121.71	
VW-3	01/25/07	1808996.28	6542084.29	150.56	29.55	121.01	
VW-3	05/22/07	1808996.28	6542084.29	150.56	27.55	123.01	
VW-3	08/16/07	1808996.28	6542084.29	150.56	29.76	120.80	
VW-3	11/08/07	1808996.28	6542084.29	150.56	33.59	116.97	
VW-3	02/19/08	1808996.28	6542084.29	150.56	35.20	115.36	
VW-3	05/14/08	1808996.28	6542084.29	150.56	33.33	117.23	
VW-3	08/12/08	1808996.28	6542084.29	150.56	35.33	115.23	
VW-3	10/16/08	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	02/26/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	05/14/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	08/20/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	11/12/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	02/09/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	05/13/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	08/04/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	11/04/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	02/23/11	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	05/12/11	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	08/10/11	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	11/15/11	1808996.28	6542084.29	150.56	33.83	116.73	
VW-3	02/16/12	1808996.28	6542084.29	150.63	33.10	117.53	
VW-3	05/30/12	1808996.28	6542084.29	150.63	33.35	117.28	
VW-3	08/22/12	1808996.28	6542084.29	150.63	34.40	116.23	
VW-3	11/14/12	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	02/11/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	05/13/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	08/20/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	11/12/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-4	10/10/06	1809015.93	6542086.40	150.69	28.85	121.84	
VW-4	01/25/07	1809015.93	6542086.40	150.69	29.64	121.05	
VW-4	05/22/07	1809015.93	6542086.40	150.69	27.65	123.04	
VW-4	08/16/07	1809015.93	6542086.40	150.69	29.97	120.72	
VW-4	11/08/07	1809015.93	6542086.40	150.69	33.80	116.89	
VW-4	02/19/08	1809015.93	6542086.40	150.69	34.98	115.71	
VW-4	05/14/08	1809015.93	6542086.40	150.69	33.40	117.29	
VW-4	08/12/08	1809015.93	6542086.40	150.69	--	--	Dry

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
VW-4	10/16/08	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	02/26/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	05/14/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	08/20/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	11/12/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	02/09/10	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	05/13/10	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	08/04/10	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	11/04/10	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	02/23/11	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	05/12/11	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	08/10/11	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	11/15/11	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	02/16/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	05/30/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	08/22/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	11/14/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	02/11/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	05/13/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	08/20/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	11/12/13	1809015.93	6542086.40	150.76	--	--	Dry

Notes:
 ft-msl = Feet above mean sea level
 -- = Not Applicable

QA/QC SCO

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCA-1	MCA1-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	95	<1.0	--
MCA-1	MCA1-061604	06/16/04	1.4	<1.0	<1.0	<1.0	1.3	--	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	110	--	--
MCA-1	MCA1-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	120	<1.0	--
MCA-1	MCA1-120204	12/02/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	1.4	<1.0	<0.50	<1.0	<0.50	8,000	<0.50	140	<1.0	--
MCA-1	MCA1-021705	02/17/05	2.6	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,100	<0.50	140	<1.0	--
MCA-1	MCA1-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,900	<0.50	110	<1.0	--
MCA-1	MCA1-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	33	<1.0	--
MCA-1	MCA1-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	760	<0.50	23	<1.0	--
MCA-1	MCA1-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	920	<0.50	26	<1.0	--
MCA-1	MCA1-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	560	<0.50	28	<1.0	--
MCA-1	MCA-1-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	700	<0.50	11	<1.0	--
MCA-1	MCA-1-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	730	<0.50	18	<1.0	--
MCA-1	MCA-1	01/26/07	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	480	<0.50	19	<1.0	--
MCA-1	DUP-1	05/23/07	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	190	<0.50	14	<1.0	--
MCA-1	MCA-1	08/17/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	570	<0.50	15	<1.0	--
MCA-1	MCA-1	11/08/07	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,900	<0.50	66	<1.0	--
MCA-1	MCA-1	02/19/08	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	95	<1.0	--
MCA-1	MCA-1	05/14/08	2.9	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,700	<0.50	100	<1.0	--
MCA-1	MCA-1	08/15/08	1.7	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6,100	<0.50	120	<1.0	--
MCA-1	MCA-1	10/17/08	<1.0	<1.0	<1.0	<1.0	6.5	<0.50	2.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	58	<1.0	--
MCA-1	MCA-1	08/10/11	<1.0	<1.0	<1.0	<1.0	7.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	850	<0.50	36	<1.0	--
MCA-1	MCA-1	11/15/11	<1.0	<1.0	<1.0	<1.0	4.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	580	<0.50	59	<1.0	--
MCA-1	MCA-1	02/17/12	1.6	<1.0	<1.0	<1.0	3.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,400	<0.50	77	<1.0	--
MCA-1	MCA-1	05/31/12	<1.0	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,500	<0.50	73	<1.0	--
MCA-1	MCA-1	08/24/12	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	940	<0.50	87	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloroethene µg/L	1,2-Dichloroethane µg/L	Chloroform µg/L	cis-1,2-Dichloroethene µg/L	Ethylbenzene µg/L	m,p-Xylene µg/L	o-Xylene µg/L	Tetrachloroethene µg/L	Toluene µg/L	Trichloroethene µg/L	Trichlorofluoromethane (Freon-11) µg/L	Trichlorotrifluoroethane (Freon-113) µg/L
MCA-1	MCA-1	11/16/12	<1.0	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	87	<1.0	--
MCA-1	MCA-1	02/13/13	<1.0	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,800	<0.50	71	<1.0	--
MCA-1	MCA-1	05/15/13	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,400	0.82	62	<1.0	--
MCA-2	MCA2-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	22	<1.0	--
MCA-2	MCA2-061604	06/16/04	2.4	<1.0	<1.0	<1.0	3.3	--	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	35	--	--
MCA-2	MCA2-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	21	<1.0	--
MCA-2	MCA2-120204	12/02/04	<1.0	3.5	<1.0	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	17	<1.0	--
MCA-2	MCA2-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	490	<0.50	6.7	<1.0	--
MCA-2	MCA2-051705	05/17/05	<1.0	3.6	<1.0	<1.0	16	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	19	<1.0	--
MCA-2	MCA2-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	8.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	900	<0.50	25	<1.0	--
MCA-2	MCA2-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	8.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	12	<1.0	--
MCA-2	MCA2-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,100	<0.50	27	<1.0	--
MCA-2	MCA2-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	21	<1.0	--
MCA-2	MCA-2-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	670	<0.50	<1.0	<1.0	--
MCA-2	MCA-2-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	890	<0.50	8.6	<1.0	--
MCA-2	MCA-2	01/26/07	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	10	<1.0	--
MCA-2	MCA-2	05/23/07	<1.0	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	740	<0.50	12	<1.0	--
MCA-2	MCA-2	08/17/07	<1.0	<1.0	<1.0	<1.0	7.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	940	<0.50	9.9	<1.0	--
MCA-2	MCA-2	11/08/07	<1.0	<1.0	<1.0	1.6	26	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	540	<0.50	10	<1.0	--
MCA-2	MCA-2	02/18/08	<1.0	<1.0	<1.0	3.0	51	<0.50	1.8	<1.0	<0.50	<1.0	<0.50	460	<0.50	11	<1.0	--
MCA-2	MCA-2	05/13/08	<1.0	<1.0	<1.0	2.5	30	0.77	1.5	<1.0	<0.50	<1.0	<0.50	240	<0.50	9.6	<1.0	--
MCA-2	MCA-2	08/14/08	<1.0	<1.0	<1.0	2.8	39	0.64	2.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	9.1	<1.0	--
MCA-2	MCA-2	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	22	<0.50	4.4	<1.0	--
MCA-2	MCA-2	11/16/11	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	38	<0.50	13	<1.0	--
MCA-2	MCA-2	02/17/12	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	60	<0.50	14	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MCA-2	MCA-2	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	35	<0.50	8.7	<1.0	--
MCA-2	MCA-2	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	27	<0.50	5.8	<1.0	--
MCA-2	MCA-2	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	18	<0.50	4.0	<1.0	--
MCA-3	MCA3-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	6.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	2.9	<1.0	--
MCA-3	MCA3-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	12	--	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	3.3	--	--
MCA-3	MCA3-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	170	<0.50	3.4	<1.0	--
MCA-3	MCA3-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	19	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	200	<0.50	3.8	<1.0	--
MCA-3	MCA3-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	3.9	<1.0	--
MCA-3	MCA3-051705	05/17/05	<1.0	<1.0	2.1	12	280	4.6	<1.0	<1.0	<0.50	<1.0	<0.50	440	<0.50	36	<1.0	--
MCA-3	MCA3-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	86	<0.50	5.2	<1.0	<0.50	<1.0	<0.50	350	<0.50	25	<1.0	--
MCA-3	MCA3-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MCA-3	MCA3-020806	02/08/06	<1.0	<1.0	<1.0	10	210	<0.50	6.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	22	<1.0	--
MCA-3	MCA3-050406	05/04/06	<1.0	<1.0	<1.0	7.1	140	<0.50	4.6	<1.0	<0.50	<1.0	<0.50	300	<0.50	18	<1.0	--
MCA-3	MCA-3-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	96	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	540	<0.50	14	<1.0	--
MCA-3	MCA-3-101006	10/10/06	<1.0	<1.0	<1.0	4.2	72	<0.50	3.1	<1.0	<0.50	<1.0	<0.50	180	<0.50	11	<1.0	--
MCA-3	MCA-3	01/26/07	<1.0	<1.0	<1.0	1.9	47	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	94	<0.50	7.0	<1.0	--
MCA-3	MCA-3	05/22/07	<1.0	<1.0	<1.0	1.8	46	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	170	<0.50	6.0	<1.0	--
MCA-3	MCA-3	08/16/07	<1.0	<1.0	<1.0	1.5	33	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	98	<0.50	5.5	<1.0	--
MCA-3	MCA-3	11/09/07	<1.0	<1.0	<1.0	3.6	61	<0.50	2.0	<1.0	<0.50	<1.0	<0.50	140	<0.50	13	<1.0	--
MCA-3	MCA-3	02/18/08	<1.0	<1.0	<1.0	4.6	68	<0.50	2.5	<1.0	<0.50	<1.0	<0.50	210	<0.50	14	<1.0	--
MCA-3	MCA-3	05/13/08	<1.0	<1.0	<1.0	4.6	44	0.91	4.1	<1.0	<0.50	<1.0	<0.50	96	<0.50	7.9	<1.0	--
MCA-3	MCA-3	08/14/08	<1.0	<1.0	<1.0	2.4	29	0.61	1.9	<1.0	<0.50	<1.0	<0.50	180	<0.50	7.4	<1.0	--
MCA-3	MCA-3	10/16/08	<1.0	<1.0	<1.0	1.3	19	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	91	<0.50	3.5	<1.0	--
MCA-3	MCA-3	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	24	<0.50	1.8	<1.0	--
MCA-3	MCA-3	11/15/11	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	30	<0.50	3.6	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)
 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCA-3	MCA-3	02/17/12	<1.0	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	44	<0.50	3.5	<1.0	--
MCA-3	MCA-3	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	1.5	<1.0	--
MCA-3	MCA-3	08/23/12	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	22	<0.50	1.4	<1.0	--
MCA-3	MCA3	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.6	<0.50	<1.0	<1.0	--
MCA-4	MCA4-032404	03/24/04	4.5	<1.0	1.4	<1.0	8.3	<0.50	<1.0	1.0	<0.50	<1.0	<0.50	12,000	<0.50	22	<1.0	--
MCA-4	MCA4-061604	06/16/04	7.2	<1.0	<1.0	<1.0	9.7	--	<1.0	<1.0	<0.50	<1.0	<0.50	14,000	1.0	27	--	--
MCA-4	MCA4-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	7.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	9,700	<0.50	26	<1.0	--
MCA-4	MCA4-120204	12/02/04	4.5	<1.0	<1.0	<1.0	5.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	9,600	<0.50	18	<1.0	--
MCA-4	MCA4-021705	02/17/05	3.0	<1.0	<1.0	<1.0	6.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,600	<0.50	18	<1.0	--
MCA-4	MCA4-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	7.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,800	<0.50	11	<1.0	--
MCA-4	MCA4-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	3.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	19	<1.0	--
MCA-4	MCA4-110805	11/08/05	<1.0	1.9	<1.0	<1.0	9.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	21	<1.0	--
MCA-4	MCA4-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	16	<1.0	--
MCA-4	MCA4-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,500	<0.50	21	<1.0	--
MCA-4	MCA-4-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,800	<0.50	15	<1.0	--
MCA-4	DUP-101006	10/10/06	<1.0	1.9	2.5	<1.0	7.5	<0.50	1.6	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	21	<1.0	--
MCA-4	MCA-4	01/26/07	1.9	<1.0	<1.0	<1.0	8.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	15	<1.0	--
MCA-4	MCA-4	05/23/07	1.6	<1.0	<1.0	<1.0	7.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	14	<1.0	--
MCA-4	MCA-4	08/17/07	2.1	<1.0	<1.0	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	14	<1.0	--
MCA-4	MCA-4	11/08/07	<1.0	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	12	<1.0	--
MCA-4	MCA-4	02/19/08	1.9	<1.0	<1.0	<1.0	4.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,700	<0.50	11	<1.0	--
MCA-4	MCA-4	05/14/08	2.3	<1.0	<1.0	<1.0	3.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	10	<1.0	--
MCA-4	MCA-4	08/15/08	2.0	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,500	<0.50	13	<1.0	--
MCA-4	MCA-4	10/17/08	<1.0	<1.0	<1.0	<1.0	7.3	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	2,900	<0.50	20	<1.0	--
MCA-4	DUP-1	02/27/09	4.0	<1.0	1.7	<1.0	3.5	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	480	<0.50	15	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloroethene µg/L	1,2-Dichloroethane µg/L	Chloroform µg/L	cis-1,2-Dichloroethene µg/L	Ethylbenzene µg/L	m,p-Xylene µg/L	o-Xylene µg/L	Tetrachloroethene µg/L	Toluene µg/L	Trichloroethene µg/L	Trichlorofluoromethane (Freon-11) µg/L	Trichlorotrifluoroethane (Freon-113) µg/L
MCA-4	MCA-4	05/14/09	3.3	<1.0	1.8	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	9.1	<1.0	--
MCA-4	MCA-4	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	2.4	<1.0	--
MCA-4	MCA-4	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	4.6	<1.0	--
MCA-4	MCA-4	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	2.1	<1.0	--
MCA-4	MCA-4	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	73	<0.50	1.3	<1.0	--
MCA-4	MCA-4	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	1.6	<1.0	--
MCA-4	MCA-4	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	110	<0.50	1.7	<1.0	--
MCA-4	MCA-4	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	3.1	<1.0	--
MCA-4	MCA-4	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	6.8	<1.0	--
MCA-4	MCA-4	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	9.1	<1.0	--
MCA-4	MCA-4	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	2.6	9.0	<1.0	--
MCA-4	MCA-4	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	270	<0.50	7.6	<1.0	<1.0
MW-1	MW1-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	--	--
MW-1	MW1-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	24	<1.0	<1.0	--
MW-1	MW1-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.4	1.8	<1.0	<1.0	--
MW-1	MW1-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-107056	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-1	MW1-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.7	<0.50	<1.0	<1.0	--
MW-1	MW-1	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)	
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	MW-1	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	1.1	<1.0	--
MW-1	MW-1	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	08/11/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-1	MW-1	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	1.1	<1.0	--
MW-1	MW-1	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.6	<0.50	1.4	<1.0	--	
MW-1	MW-1	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.8	<0.50	1.3	<1.0	--	

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	MW-1	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.0	<0.50	1.5	<1.0	<1.0
MW-1	MW-1	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.6	<0.50	1.6	<1.0	<5.0
MW-2	MW2-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	1.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.8	<0.50	3.0	<1.0	--
MW-2	MW2-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	1.0	--	<1.0	<1.0	<0.50	<1.0	<0.50	3.6	1.2	3.4	--	--
MW-2	MW2-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.7	43	3.5	<1.0	--
MW-2	MW2-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.0	2.8	4.4	<1.0	--
MW-2	MW2-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.9	<0.50	3.8	<1.0	--
MW-2	MW2-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.1	3.1	<1.0	<1.0	--
MW-2	MW2-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.7	<0.50	2.0	<1.0	--
MW-2	MW2-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW2-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW2-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	3.3	<1.0	--
MW-2	MW-2	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.1	<0.50	<1.0	<1.0	--
MW-2	MW-2	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	05/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.8	<0.50	1.2	<1.0	--
MW-2	MW-2	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.3	<0.50	12	<1.0	--
MW-2	MW-2	05/14/09	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.8	<0.50	5.1	<1.0	--
MW-2	MW-2	08/20/09	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.4	<0.50	4.5	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloroethene µg/L	1,2-Dichloroethane µg/L	Chloroform µg/L	cis-1,2-Dichloroethene µg/L	Ethylbenzene µg/L	m,p-Xylene µg/L	o-Xylene µg/L	Tetrachloroethene µg/L	Toluene µg/L	Trichloroethene µg/L	Trichlorofluoromethane (Freon-11) µg/L	Trichlorotrifluoroethane (Freon-113) µg/L
MW-2	MW-2	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.9	<0.50	3.7	<1.0	--
MW-2	MW-2	02/09/10	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.4	<0.50	5.5	<1.0	--
MW-2	MW-2	05/13/10	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	1.2	<0.50	<1.0	<0.50	16	<0.50	15	<1.0	--
MW-2	MW-2	08/04/10	<1.0	<1.0	<1.0	<1.0	5.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.9	<0.50	12	<1.0	--
MW-2	MW-2	11/04/10	<1.0	<1.0	<1.0	<1.0	9.3	<0.50	2.1	1.6	<0.50	<1.0	<0.50	36	<0.50	32	4.0	--
MW-2	MW-2	02/23/11	<1.0	<1.0	<1.0	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	13	<0.50	17	<1.0	--
MW-2	MW-2	05/12/11	<1.0	<1.0	<1.0	<1.0	47	<0.50	9.6	2.0	<0.50	<1.0	<0.50	33	<0.50	110	40	--
MW-2	MW-2	08/11/11	<1.0	<1.0	<1.0	<1.0	3.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.3	<0.50	10	1.5	--
MW-2	MW-2	11/16/11	<1.0	<1.0	<1.0	<1.0	6.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	8.5	<0.50	22	<1.0	--
MW-2	MW-2	02/16/12	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.9	<0.50	8.6	<1.0	--
MW-2	MW-2	06/01/12	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.4	<0.50	8.7	<1.0	--
MW-2	MW-2	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.2	<0.50	6.8	<1.0	--
MW-2	MW-2	11/15/12	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.3	<0.50	20	1.1	--
MW-2	MW-2	02/12/13	<1.0	<1.0	<1.0	<1.0	7.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	11	<0.50	23	<1.0	--
MW-2	MW-2	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.3	<0.50	20	<1.0	--
MW-2	MW-2	08/21/13	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	8.7	<0.50	31	<1.0	1.3
MW-2	MW-2	11/14/13	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	12	<0.50	26	<1.0	<5.0
MW-3	MW3-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	51	2.7	3.7	<1.0	--
MW-3	MW3-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	1.1	--	<1.0	<1.0	<0.50	<1.0	<0.50	47	<0.50	4.7	--	--
MW-3	MW3-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	1.2	<0.50	49	68	3.6	<1.0	--
MW-3	MW3-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	4.9	<1.0	--
MW-3	MW3-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	44	<0.50	5.2	<1.0	--
MW-3	MW3-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	72	<0.50	7.9	<1.0	--
MW-3	MW3-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	38	<0.50	8.0	<1.0	--
MW-3	MW3-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	67	<0.50	5.8	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	MW3-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	43	<0.50	4.9	<1.0	--
MW-3	MW3-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	54	<0.50	5.4	<1.0	--
MW-3	MW-3-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	54	<0.50	<1.0	<1.0	--
MW-3	MW-3-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	56	<0.50	5.2	<1.0	--
MW-3	MW-3	01/25/07	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	51	<0.50	5.6	<1.0	--
MW-3	MW-3	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	4.4	<1.0	--
MW-3	MW-3	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	5.0	<1.0	--
MW-3	MW-3	11/09/07	<1.0	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	40	<0.50	4.9	<1.0	--
MW-3	MW-3	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	51	<0.50	5.3	<1.0	--
MW-3	MW-3	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	39	<0.50	4.8	<1.0	--
MW-3	MW-3	08/14/08	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	74	<0.50	6.2	<1.0	--
MW-3	MW-3	10/16/08	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	61	<0.50	6.9	<1.0	--
MW-3	MW-3	02/26/09	<1.0	<1.0	<1.0	<1.0	5.7	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	6.8	<0.50	26	5.1	--
MW-3	MW-3	05/14/09	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	47	<0.50	9.0	<1.0	--
MW-3	MW-3	08/20/09	<1.0	<1.0	<1.0	<1.0	1.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	54	<0.50	7.3	<1.0	--
MW-3	MW-3	11/12/09	<1.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	51	<0.50	9.0	<1.0	--
MW-3	MW-3	02/09/10	<1.0	<1.0	<1.0	<1.0	5.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	77	<0.50	17	1.9	--
MW-3	MW-3	05/13/10	<1.0	<1.0	<1.0	<1.0	18	<0.50	3.3	3.5	<0.50	<1.0	<0.50	45	<0.50	49	7.9	--
MW-3	MW-3	08/04/10	<1.0	<1.0	<1.0	<1.0	2.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	89	<0.50	12	<1.0	--
MW-3	MW-3	11/04/10	<1.0	<1.0	<1.0	<1.0	78	<0.50	13	5.5	<0.50	<1.0	<0.50	130	<0.50	130	33	--
MW-3	MW-3	02/23/11	<1.0	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	71	<0.50	10	<1.0	--
MW-3	MW-3	05/12/11	<1.0	<1.0	<1.0	<1.0	9.2	<0.50	2.3	<1.0	<0.50	<1.0	<0.50	15	<0.50	36	5.4	--
MW-3	MW-3	08/11/11	<1.0	<1.0	<1.0	<1.0	24	<0.50	3.3	1.2	<0.50	<1.0	<0.50	23	<0.50	47	11	--
MW-3	MW-3	11/16/11	<1.0	<1.0	<1.0	<1.0	2.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	62	<0.50	10	<1.0	--
MW-3	MW-3	02/16/12	<1.0	<1.0	<1.0	<1.0	7.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	11	<0.50	17	4.4	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	MW-3	06/01/12	<1.0	<1.0	<1.0	<1.0	6.9	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	12	<0.50	21	4.3	--
MW-3	MW-3	08/23/12	<1.0	<1.0	<1.0	<1.0	2.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.5	<0.50	11	<1.0	--
MW-3	MW-3	11/15/12	<1.0	<1.0	<1.0	<1.0	2.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.1	<0.50	15	1.5	--
MW-3	MW-3	02/12/13	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	85	<0.50	12	<1.0	--
MW-3	MW-3	05/14/13	<1.0	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	23	1.2	--
MW-3	MW-3	08/21/13	<1.0	<1.0	<1.0	<1.0	9.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	19	<0.50	23	3.2	11
MW-3	MW-3	11/14/13	<1.0	<1.0	<1.0	<1.0	14	<0.50	3.2	<1.0	<0.50	<1.0	<0.50	28	<0.50	33	6.5	17
MW-5	MW5-032404	03/24/04	1.4	2.0	<1.0	1.6	39	<0.50	2.8	<1.0	<0.50	<1.0	<0.50	2,500	<0.50	21	<1.0	--
MW-5	MW5-061604	06/16/04	1.2	3.0	<1.0	<1.0	17	--	<1.0	<1.0	<0.50	<1.0	<0.50	3,300	1.2	20	--	--
MW-5	MW5-090904	09/09/04	<1.0	2.8	<1.0	<1.0	10	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	17	<1.0	--
MW-5	MW5-120104	12/01/04	<1.0	2.6	<1.0	<1.0	11	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	5.9	21	<1.0	--
MW-5	MW5-021705	02/17/05	<1.0	5.1	<1.0	<1.0	17	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	11	17	<1.0	--
MW-5	MW5-051605	05/16/05	<1.0	7.0	<1.0	<1.0	33	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	19	<1.0	--
MW-5	MW5-081105	08/11/05	<1.0	5.1	<1.0	<1.0	20	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	990	<0.50	27	<1.0	--
MW-5	MW5-110705	11/07/05	<1.0	3.1	<1.0	<1.0	16	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	640	<0.50	26	<1.0	--
MW-5	MW5-020706	02/07/06	<1.0	4.6	<1.0	<1.0	28	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	21	<1.0	--
MW-5	MW5-050306	05/03/06	<1.0	4.6	<1.0	<1.0	23	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	990	<0.50	19	<1.0	--
MW-5	MW5-070506	07/05/06	<1.0	4.0	<1.0	<1.0	20	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	910	<0.50	16	<1.0	--
MW-5	MW5-101106	10/11/06	<1.0	1.6	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	580	<0.50	17	<1.0	--
MW-5	MW-5	01/25/07	<1.0	2.5	<1.0	<1.0	22	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	950	<0.50	19	<1.0	--
MW-5	MW-5	05/22/07	<1.0	1.8	<1.0	<1.0	16	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	11	<1.0	--
MW-5	MW-5	08/16/07	<1.0	1.1	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	810	<0.50	16	<1.0	--
MW-5	MW-5	11/09/07	<1.0	1.1	<1.0	<1.0	13	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	18	<1.0	--
MW-5	MW-5	02/18/08	<1.0	<1.0	<1.0	<1.0	13	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	14	<1.0	--
MW-5	MW-5	05/14/08	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	13	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-5	MW-5	08/15/08	<1.0	<1.0	<1.0	2.7	43	<0.50	2.1	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	14	<1.0	--
MW-5	MW-5	10/17/08	<1.0	<1.0	<1.0	2.3	47	<0.50	2.1	<1.0	<0.50	<1.0	<0.50	780	<0.50	12	<1.0	--
MW-5	MW-5	02/27/09	<1.0	<1.0	<1.0	<1.0	3.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	150	<0.50	3.8	<1.0	--
MW-5	MW-5	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	62	<0.50	2.9	<1.0	--
MW-5	MW-5	08/21/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	2.2	<1.0	--
MW-5	DUP-1	08/21/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	2.1	<1.0	--
MW-5	MW-5	11/12/09	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	680	<0.50	7.0	<1.0	--
MW-5	DUP-1	11/12/09	<1.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	610	<0.50	7.3	<1.0	--
MW-5	MW-5	05/13/10	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	730	<0.50	9.0	<1.0	--
MW-5	MW-5	08/04/10	<1.0	<1.0	<1.0	<1.0	5.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	15	<1.0	--
MW-5	MW-5	11/04/10	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	720	<0.50	8.2	<1.0	--
MW-5	MW-5	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	29	<0.50	1.2	<1.0	--
MW-5	MW-5	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	30	<0.50	1.6	<1.0	--
MW-5	MW-5	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	20	<0.50	2.3	<1.0	--
MW-5	MW-5	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	21	<0.50	3.4	<1.0	--
MW-5	MW-5	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	35	<0.50	4.0	<1.0	--
MW-5	MW-5	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	24	<0.50	3.3	<1.0	--
MW-5	MW-5	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	56	<0.50	4.2	<1.0	--
MW-5	MW-5	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	29	<0.50	6.0	<1.0	--
MW-5	MW-5	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	16	<0.50	2.5	<1.0	--
MW-5	MW-5	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	29	2.7	1.9	<1.0	--
MW-5	MW-5	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	<1.0	<1.0	<1.0
MW-5	MW-5	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	13	<0.50	<1.0	<1.0	<5.0
MW-6	MW6-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	750	<0.50	20	<1.0	--
MW-6	MW6-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	1.1	--	<1.0	<1.0	<0.50	<1.0	<0.50	520	1.1	19	--	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-6	MW6-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	20	<1.0	--
MW-6	MW6-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	890	29	27	<1.0	--
MW-6	MW6-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	16	19	<1.0	--
MW-6	MW6-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	19	<1.0	--
MW-6	MW6-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	13	<1.0	--
MW-6	MW6-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	640	<0.50	17	<1.0	--
MW-6	MW6-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	590	<0.50	17	<1.0	--
MW-6	MW6-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	610	<0.50	18	<1.0	--
MW-6	MW-6-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	400	<0.50	17	<1.0	--
MW-6	MW-6-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	570	<0.50	14	<1.0	--
MW-6	MW-6	01/25/07	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	550	<0.50	17	<1.0	--
MW-6	MW-6	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	500	<0.50	12	<1.0	--
MW-6	MW-6	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	510	<0.50	12	<1.0	--
MW-6	MW-6	11/09/07	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	12	<1.0	--
MW-6	MW-6	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	740	<0.50	20	<1.0	--
MW-6	MW-6	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	230	<0.50	15	<1.0	--
MW-6	MW-6	08/14/08	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	21	<1.0	--
MW-6	MW-6	02/26/09	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	19	<1.0	--
MW-6	MW-6	05/15/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	<0.50	19	<1.0	--
MW-6	DUP-1	05/15/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	20	<1.0	--
MW-6	MW-6	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	160	<1.0	--
MW-6	MW-6	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	36	<1.0	--
MW-6	MW-6	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	38	<1.0	--
MW-6	MW-6	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	44	<1.0	--
MW-6	MW-6	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	42	<1.0	--

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Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-6	MW-6	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	46	<1.0	--
MW-6	MW-6	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	59	<1.0	--
MW-6	MW-6	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	460	<0.50	74	<1.0	--
MW-6	MW-6	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	0.79	64	<1.0	--
MW-6	MW-6	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	510	<0.50	58	<1.0	<1.0
MW-7	MW7-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	3.5	<1.0	--
MW-7	MW7-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	150	1.9	5.1	--	--
MW-7	MW7-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	5.4	<1.0	--
MW-7	MW7-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	140	27	4.6	<1.0	--
MW-7	MW7-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	130	13	6.5	<1.0	--
MW-7	MW7-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	9.5	<1.0	--
MW-7	MW7-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	11	<1.0	--
MW-7	MW7-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	5.3	<1.0	--
MW-7	MW7-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	5.7	<1.0	--
MW-7	MW7-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	<1.0	<1.0	--
MW-7	MW7-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	38	<0.50	<1.0	<1.0	--
MW-7	MW7-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	60	<0.50	2.6	<1.0	--
MW-7	MW-7	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	67	<0.50	2.8	<1.0	--
MW-7	MW-7	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	67	<0.50	3.6	<1.0	--
MW-7	MW-7	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	84	<0.50	4.5	<1.0	--
MW-7	MW-7	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	85	<0.50	4.2	<1.0	--
MW-7	MW-7	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	130	<0.50	4.2	<1.0	--
MW-7	MW-7	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	92	<0.50	4.4	<1.0	--
MW-7	MW-7	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	5.2	<1.0	--
MW-7	MW-7	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	170	<0.50	6.3	<1.0	--

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Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

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Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-7	MW-7	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	22	<1.0	--
MW-7	MW-7	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	24	<1.0	--
MW-7	MW-7	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	410	<0.50	33	<1.0	--
MW-7	MW-7	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	280	<0.50	21	<1.0	--
MW-7	MW-7	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	19	<1.0	--
MW-7	MW-7	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	140	<0.50	17	<1.0	--
MW-7	DUP-1	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	19	<1.0	--
MW-7	MW-7	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	400	<0.50	20	<1.0	--
MW-7	DUP-1	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	<0.50	19	<1.0	--
MW-7	MW-7	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	18	<1.0	--
MW-7	DUP-1	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	510	<0.50	19	<1.0	--
MW-7	MW-7	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	280	<0.50	17	<1.0	--
MW-7	DUP-1	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	240	<0.50	18	<1.0	--
MW-7	MW-7	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	22	<1.0	--
MW-7	DUP-1	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	22	<1.0	--
MW-7	MW-7	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	420	<0.50	42	<1.0	--
MW-7	DUP-1	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	430	<0.50	41	<1.0	--
MW-7	MW-7	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	500	<0.50	73	<1.0	--
MW-7	DUP-1	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	75	<1.0	--
MW-7	MW-7	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	930	<0.50	88	<1.0	--
MW-7	DUP-1	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	900	<0.50	93	<1.0	--
MW-7	MW-7	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	420	<0.50	65	<1.0	--
MW-7	DUP-1	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	540	<0.50	65	<1.0	--
MW-7	MW-7	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	310	<0.50	55	<1.0	--
MW-7	DUP-1	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	52	<1.0	--

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Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-7	MW-7	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	80	<1.0	--
MW-7	DUP-1	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	82	<1.0	--
MW-7	MW-7	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	54	<1.0	--
MW-7	DUP-1	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	53	<1.0	--
MW-7	MW-7	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	1.6	38	<1.0	--
MW-7	DUP-1	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	3.3	37	<1.0	--
MW-7	MW-7	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	41	<1.0	<1.0
MW-7	DUP-1	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	430	<0.50	40	<1.0	<1.0
MW-7	MW-7	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	32	<1.0	<5.0
MW-7	DUP-1	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	31	<1.0	<5.0
MW-8	MW8-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	<0.50	22	<1.0	--
MW-8	MW8-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	20	--	--
MW-8	MW8-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	16	<1.0	--
MW-8	MW8-120204	12/02/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	22	<1.0	--
MW-8	MW8-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	270	<0.50	21	<1.0	--
MW-8	MW8-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	25	<1.0	--
MW-8	MW8-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	400	<0.50	26	<1.0	--
MW-8	MW8-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	19	<1.0	--
MW-8	MW8-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	31	<1.0	--
MW-8	MW8-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	410	<0.50	27	<1.0	--
MW-8	MW-8-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	18	<1.0	--
MW-8	MW-8-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	190	<0.50	16	<1.0	--
MW-8	MW-8	01/26/07	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	280	<0.50	22	<1.0	--
MW-8	MW-8	05/23/07	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	96	<0.50	7.3	<1.0	--
MW-8	MW-8	08/17/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	8.0	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-8	MW-8	11/08/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	230	<0.50	11	<1.0	--
MW-8	MW-8	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	520	<0.50	17	<1.0	--
MW-8	MW-8	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	14	<1.0	--
MW-8	MW-8	08/15/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	19	<1.0	--
MW-8	MW-8	10/17/08	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	26	<1.0	--
MW-8	MW-8	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	41	<1.0	--
MW-8	MW-8	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	150	<0.50	19	<1.0	--
MW-8	MW-8	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	190	<0.50	28	<1.0	--
MW-8	MW-8	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	240	<0.50	33	<1.0	--
MW-8	MW-8	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	28	<1.0	--
MW-8	MW-8	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	200	<0.50	34	<1.0	--
MW-8	MW-8	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	35	<1.0	--
MW-8	MW-8	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	1.9	45	<1.0	--
MW-9	MW9-032304	03/24/04	3.4	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,300	<0.50	38	<1.0	--
MW-9	MW9-061604	06/16/04	4.8	<1.0	<1.0	<1.0	5.3	--	<1.0	<1.0	<0.50	<1.0	<0.50	7,500	<0.50	60	--	--
MW-9	MW9-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	24	<1.0	--
MW-9	MW9-120204	12/02/04	2.4	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	17	<1.0	--
MW-9	MW9-021705	02/17/05	2.8	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	24	<1.0	--
MW-9	MW9-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,400	<0.50	32	<1.0	--
MW-9	MW9-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	4.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,400	<0.50	32	<1.0	--
MW-9	MW9-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	3.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,500	<0.50	21	<1.0	--
MW-9	MW9-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,700	<0.50	26	<1.0	--
MW-9	MW9-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6,400	<0.50	29	<1.0	--
MW-9	MW-9-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	15	<1.0	--
MW-9	MW-9-101006	10/10/06	<1.0	<1.0	1.6	<1.0	<1.0	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	15	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-9	MW-9	01/26/07	4.0	<1.0	1.2	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	24	<1.0	--
MW-9	MW-9	05/23/07	3.3	<1.0	<1.0	<1.0	3.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	17	<1.0	--
MW-9	MW-9	08/17/07	3.0	<1.0	<1.0	<1.0	4.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,500	<0.50	20	<1.0	--
MW-9	MW-9	11/08/07	<1.0	<1.0	<1.0	<1.0	3.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6,000	<0.50	21	<1.0	--
MW-9	DUP-1	02/19/08	1.8	<1.0	<1.0	<1.0	4.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	25	<1.0	--
MW-9	DUP-1	05/14/08	2.8	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	22	<1.0	--
MW-9	DUP-1	08/15/08	1.3	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	25	<1.0	--
MW-9	MW-9	10/17/08	<1.0	<1.0	<1.0	2.6	33	<0.50	2.7	<1.0	<0.50	<1.0	<0.50	950	<0.50	27	<1.0	--
MW-9	MW-9	08/10/11	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	5.1	<1.0	--
MW-9	MW-9	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	58	<0.50	2.5	<1.0	--
MW-9	MW-9	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	80	<0.50	2.0	<1.0	--
MW-9	MW-9	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	46	<0.50	1.2	<1.0	--
MW-9	MW-9	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	69	<0.50	1.0	<1.0	--
MW-9	MW-9	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	34	<0.50	1.4	<1.0	--
MW-9	MW-9	02/13/13	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	61	<0.50	3.3	<1.0	--
MW-10	MW10-032304	03/24/04	1.4	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	0.65	2.7	0.9	2,500	240	43	<1.0	--
MW-10	MW10-061604	06/16/04	2.4	<1.0	<1.0	<1.0	2.4	--	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	55	--	--
MW-10	MW10-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,200	<0.50	37	<1.0	--
MW-10	MW10-120204	12/02/04	1.8	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,100	<0.50	28	<1.0	--
MW-10	MW10-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	0.99	44	<1.0	--
MW-10	MW10-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	2.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,900	<0.50	<1.0	<1.0	--
MW-10	MW10-081205	08/12/05	<5.0	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,900	<0.50	31	<1.0	--
MW-10	MW10-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	21	<1.0	--
MW-10	MW10-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	25	<1.0	--
MW-10	MW10-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	28	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-10	MW-10-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	24	<1.0	--
MW-10	MW-10-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	16	<1.0	--
MW-10	MW-10	01/26/07	1.7	<1.0	<1.0	<1.0	2.5	0.83	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	24	<1.0	--
MW-10	MW-10	05/23/07	1.8	<1.0	<1.0	<1.0	2.1	0.61	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	17	<1.0	--
MW-10	MW-10	08/17/07	1.8	<1.0	<1.0	<1.0	1.6	0.77	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	17	<1.0	--
MW-10	MW-10	11/08/07	<1.0	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	22	<1.0	--
MW-10	MW-10	02/19/08	1.6	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	37	<1.0	--
MW-10	MW-10	05/14/08	2.6	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	45	<1.0	--
MW-10	MW-10	08/15/08	1.8	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,900	<0.50	68	<1.0	--
MW-10	MW-10	10/17/08	<1.0	<1.0	<1.0	<1.0	6.8	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	93	<1.0	--
MW-10	MW-10	08/10/11	<1.0	<1.0	<1.0	<1.0	2.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	41	<1.0	--
MW-10	MW-10	11/15/11	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	540	<0.50	45	<1.0	--
MW-10	MW-10	02/17/12	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	<0.50	55	<1.0	--
MW-10	MW-10	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	560	<0.50	49	<1.0	--
MW-10	MW-10	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	58	<1.0	--
MW-10	MW-10	11/16/12	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	520	<0.50	56	<1.0	--
MW-11	MW11-032304	03/24/04	2.1	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	27	<1.0	--
MW-11	MW11-061604	06/16/04	2.2	<1.0	<1.0	<1.0	1.4	--	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	25	--	--
MW-11	MW11-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	23	<1.0	--
MW-11	MW11-120204	12/02/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	5.1	<1.0	--
MW-11	MW11-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	520	1.3	12	<1.0	--
MW-11	MW11-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	34	<1.0	--
MW-11	MW11-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	52	<1.0	--
MW-11	MW11-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,100	<0.50	42	<1.0	--
MW-11	MW11-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,600	<0.50	52	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-11	MW11-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,000	<0.50	55	<1.0	--
MW-11	MW-11-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	15	<1.0	--
MW-11	MW-11-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	17	<1.0	--
MW-11	MW-11	01/26/07	<1.0	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	34	<1.0	--
MW-11	MW-11	05/23/07	1.4	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	28	<1.0	--
MW-11	MW-11	08/17/07	1.2	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	38	<1.0	--
MW-11	MW-11	11/08/07	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	41	<1.0	--
MW-11	MW-11	02/19/08	1.2	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	36	<1.0	--
MW-11	MW-11	05/14/08	1.2	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	34	<1.0	--
MW-11	MW-11	08/15/08	1.3	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	48	<1.0	--
MW-11	MW-11	10/17/08	<1.0	<1.0	<1.0	<1.0	6.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	45	<1.0	--
MW-11	MW-11	08/10/11	<1.0	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	38	<1.0	--
MW-11	MW-11	11/15/11	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	35	<1.0	--
MW-11	MW-11	02/17/12	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	580	<0.50	37	<1.0	--
MW-11	MW-11	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	20	<1.0	--
MW-11	MW-11	08/24/12	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	24	<1.0	--
MW-11	MW-11	11/16/12	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	350	<0.50	34	<1.0	--
MW-11	MW-11	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	330	<0.50	28	<1.0	--
MW-11	MW-11	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	240	1.4	16	<1.0	--
MW-12	DUP-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	810	3.2	12	<1.0	--
MW-12	MW12-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	11	--	--
MW-12	MW12-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	6.4	<1.0	--
MW-12	MW12-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	110	<0.50	4.0	<1.0	--
MW-12	MW12-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	9.4	<1.0	--
MW-12	MW12-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	800	<0.50	13	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-12	MW12-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	18	<1.0	--
MW-12	MW12-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	460	<0.50	16	<1.0	--
MW-12	MW12-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	490	<0.50	20	<1.0	--
MW-12	MW12-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	610	<0.50	17	<1.0	--
MW-12	MW-12-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	6.7	<1.0	--
MW-12	MW-12-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	350	<0.50	14	<1.0	--
MW-12	MW-12	01/26/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	490	<0.50	19	<1.0	--
MW-12	MW-12	05/23/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	330	<0.50	12	<1.0	--
MW-12	MW-12	08/17/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	17	<1.0	--
MW-12	MW-12	11/08/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	460	<0.50	17	<1.0	--
MW-12	MW-12	02/19/08	<1.0	<1.0	<1.0	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	700	<0.50	11	<1.0	--
MW-12	MW-12	05/13/08	<1.0	<1.0	<1.0	<1.0	1.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	12	<1.0	--
MW-12	MW-12	08/15/08	<1.0	<1.0	<1.0	<1.0	3.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	670	<0.50	12	<1.0	--
MW-12	MW-12	10/17/08	<1.0	<1.0	<1.0	<1.0	5.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	<0.50	9.8	<1.0	--
MW-12	MW-12	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	640	<0.50	76	<1.0	--
MW-12	MW-12	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	230	<0.50	43	<1.0	--
MW-12	MW-12	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	57	<1.0	--
MW-12	MW-12	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	55	<1.0	--
MW-12	MW-12	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	45	<1.0	--
MW-12	MW-12	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	410	<0.50	80	<1.0	--
MW-14	MW14-032404	03/24/04	1.5	<1.0	<1.0	<1.0	5.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,400	<0.50	18	<1.0	--
MW-14	MW14-061604	06/16/04	1.8	<1.0	<1.0	<1.0	5.6	--	<1.0	<1.0	<0.50	<1.0	<0.50	25,000	<0.50	25	--	--
MW-14	DUP-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	15	<1.0	--
MW-14	DUP-1204	12/01/04	<1.0	3.4	<1.0	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	17	<1.0	--
MW-14	MW14-120204	12/02/04	<1.0	2.5	<1.0	<1.0	9.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	14	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-14	DUP-021705	02/17/05	<1.0	4.0	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	11	<1.0	--
MW-14	MW14-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	8.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	27	<1.0	--
MW-14	DUP-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	5.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	420	<0.50	15	<1.0	--
MW-14	MW14-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	5.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	13	<1.0	--
MW-14	DUP-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	600	<0.50	19	<1.0	--
MW-14	MW14-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	20	<1.0	--
MW-14	DUP-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	880	<0.50	20	<1.0	--
MW-14	MW-14-101006	10/10/06	<1.0	1.6	<1.0	<1.0	9.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	13	<1.0	--
MW-14	MW-14	01/25/07	<1.0	1.7	<1.0	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	890	<0.50	17	<1.0	--
MW-14	MW-14	05/22/07	<1.0	1.0	<1.0	<1.0	9.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,400	<0.50	12	<1.0	--
MW-14	MW-14	08/16/07	<1.0	1.1	<1.0	<1.0	10	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	12	<1.0	--
MW-14	MW-14	11/09/07	<1.0	<1.0	<1.0	<1.0	7.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	10	<1.0	--
MW-14	MW-14	02/18/08	<1.0	<1.0	<1.0	<1.0	7.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	7.3	<1.0	--
MW-14	MW-14	05/14/08	<1.0	<1.0	<1.0	1.7	12	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	790	<0.50	9.4	<1.0	--
MW-14	MW-14	08/15/08	<1.0	<1.0	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	970	<0.50	7.2	<1.0	--
MW-14	MW-14	10/17/08	<1.0	<1.0	<1.0	1.6	29	<0.50	1.6	<1.0	<0.50	<1.0	<0.50	510	<0.50	9.6	<1.0	--
MW-14	MW-14	02/27/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	20	<0.50	<1.0	<1.0	--
MW-14	MW-14	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.2	<0.50	<1.0	<1.0	--
MW-14	MW-14	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	53	<0.50	14	<1.0	--
MW-14	MW-14	11/15/11	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	42	<0.50	15	<1.0	--
MW-14	MW-14	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	40	<0.50	7.6	<1.0	--
MW-14	MW-14	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.1	<0.50	1.2	<1.0	--
MW-14	MW-14	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	10	<0.50	1.7	<1.0	--
MW-14	MW-14	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	18	<0.50	3.5	<1.0	--
MW-14	MW-14	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.7	<0.50	1.2	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloroethene µg/L	1,2-Dichloroethane µg/L	Chloroform µg/L	cis-1,2-Dichloroethene µg/L	Ethylbenzene µg/L	m,p-Xylene µg/L	o-Xylene µg/L	Tetrachloroethene µg/L	Toluene µg/L	Trichloroethene µg/L	Trichlorofluoromethane (Freon-11) µg/L	Trichlorotrifluoroethane (Freon-113) µg/L
MW-14	MW-14	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	11	2.1	<1.0	<1.0	--
MW-15	MW-15	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.6	<0.50	1.2	<1.0	--
MW-15	MW-15	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.2	<0.50	<1.0	<1.0	--
MW-15	MW-15	02/27/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	05/15/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	08/21/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	DUP-1	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	2.1	<1.0	--
MW-15	MW-15	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	2.7	<1.0	--
MW-15	MW-15	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.6	<0.50	4.8	<1.0	--
MW-15	MW-15	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	08/11/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	3.2	<1.0	--
MW-15	MW-15	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	2.4	<1.0	--
MW-15	MW-15	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	7.8	<0.50	5.0	<1.0	--
MW-15	MW-15	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	4.2	<1.0	--
MW-15	MW-15	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	3.6	<1.0	--
MW-15	MW-15	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	7.0	<1.0	--
MW-15	MW-15	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-15	MW-15	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	6.9	<1.0	--
MW-15	MW-15	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.2	<0.50	6.0	<1.0	<1.0
MW-15	MW-15	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.2	<0.50	6.8	<1.0	<5.0
MW-16/ART	MW-16/ART	10/17/08	<1.0	<1.0	<1.0	<1.0	11	<0.50	1.5	1.3	<0.50	<1.0	<0.50	8,700	0.5	37	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloroethene µg/L	1,2-Dichloroethane µg/L	Chloroform µg/L	cis-1,2-Dichloroethene µg/L	Ethylbenzene µg/L	m,p-Xylene µg/L	o-Xylene µg/L	Tetrachloroethene µg/L	Toluene µg/L	Trichloroethene µg/L	Trichlorofluoromethane (Freon-11) µg/L	Trichlorotrifluoroethane (Freon-113) µg/L
MW-16/ART	MW-16/ART	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.6	3.5	<1.0	<1.0	--
MW-17	MW-17	08/14/08	1.5	<1.0	<1.0	<1.0	1.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	150	<1.0	--
MW-17	MW-17	10/16/08	<1.0	<1.0	<1.0	<1.0	2.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	210	<1.0	--
MW-17	MW-17	02/26/09	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	120	<1.0	--
MW-17	MW-17	05/15/09	1.3	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	74	<1.0	--
MW-17	MW-17	08/20/09	1.7	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,600	<0.50	95	<1.0	--
MW-17	MW-17	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	58	<1.0	--
MW-17	MW-17	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	910	<0.50	56	<1.0	--
MW-17	MW-17	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	55	<1.0	--
MW-17	MW-17	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	590	<0.50	18	<1.0	--
MW-17	MW-17	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	11	<1.0	--
MW-17	MW-17	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	13	<1.0	--
MW-17	MW-17	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	13	<1.0	--
MW-17	MW-17	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	200	<0.50	12	<1.0	--
MW-17	MW-17	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	130	<0.50	12	<1.0	--
MW-17	MW-17	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	330	<0.50	12	<1.0	--
MW-17	MW-17	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	940	<0.50	19	<1.0	--
MW-17	MW-17	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	990	<0.50	21	<1.0	<1.0
MW-17	MW-17	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	600	<0.50	14	<1.0	<5.0
MW-18	MW-18	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	5.7	<1.0	--
MW-18	MW-18	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	5.4	<1.0	--
MW-18	MW-18	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	44	<0.50	7.3	<1.0	--
MW-18	MW-18	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	37	<0.50	7.3	<1.0	--
MW-18	MW-18	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	71	<0.50	8.2	<1.0	--
MW-18	MW-18	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	4.0	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-18	MW-18	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	18	<0.50	5.0	<1.0	--
MW-18	MW-18	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	32	<0.50	3.6	<1.0	--
MW-18	MW-18	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	5.1	<1.0	--
MW-18	MW-18	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	23	<0.50	4.8	<1.0	--
MW-18	MW-18	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	9.7	<1.0	--
MW-18	MW-18	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	13	<0.50	4.6	<1.0	--
MW-18	MW-18	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	27	<0.50	6.7	<1.0	--
MW-18	MW-18	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	4.9	<1.0	--
MW-18	MW-18	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	6.2	<1.0	--
MW-18	MW-18	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	42	<0.50	6.6	<1.0	--
MW-18	MW-18	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	35	<0.50	13	<1.0	--
MW-18	MW-18	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	11	<1.0	--
MW-18	MW-18	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	7.4	<1.0	--
MW-18	MW-18	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	74	<0.50	8.1	<1.0	<1.0
MW-18	MW-18	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	55	<0.50	9.3	<1.0	<5.0
MW-19	MW-19	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.6	<0.50	<1.0	<1.0	--
MW-19	MW-19	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	2.9	<0.50	<1.0	<1.0	--
MW-19	MW-19	02/26/09	<1.0	<1.0	<1.0	<1.0	1.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.8	<0.50	1.4	<1.0	--
MW-19	MW-19	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-19	MW-19	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-19	MW-19	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-19	MW-19	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-19	MW-19	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.2	<0.50	<1.0	<1.0	--
MW-19	MW-19	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.1	<0.50	<1.0	<1.0	--
MW-19	MW-19	11/04/10	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	1.4	<0.50	<1.0	<0.50	25	<0.50	3.5	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-19	MW-19	02/23/11	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	2.6	<0.50	<1.0	<0.50	36	<0.50	6.7	<1.0	--
MW-19	MW-19	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.0	<0.50	<1.0	<1.0	--
MW-19	MW-19	08/11/11	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	3.3	<0.50	<1.0	<0.50	37	<0.50	9.2	<1.0	--
MW-19	MW-19	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.6	<0.50	1.0	<1.0	--
MW-19	MW-19	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.4	<0.50	<1.0	<1.0	--
MW-19	MW-19	06/01/12	<1.0	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	5.7	<0.50	<1.0	<0.50	110	<0.50	18	<1.0	--
MW-19	MW-19	08/23/12	<1.0	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	6.3	<0.50	<1.0	<0.50	170	<0.50	21	<1.0	--
MW-19	MW-19	11/15/12	<1.0	<1.0	<1.0	<1.0	2.8	<0.50	<1.0	7.4	<0.50	<1.0	<0.50	190	<0.50	30	<1.0	--
MW-19	MW-19	02/12/13	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	6.3	<0.50	<1.0	<0.50	95	<0.50	20	<1.0	--
MW-19	MW-19	05/14/13	<1.0	<1.0	<1.0	<1.0	2.0	<0.50	<1.0	7.9	<0.50	<1.0	<0.50	170	<0.50	25	<1.0	--
MW-19	MW-19	08/21/13	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	5.0	<0.50	<1.0	<0.50	110	<0.50	17	<1.0	<1.0
MW-19	MW-19	11/13/13	<1.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	14	<0.50	<1.0	<0.50	280	<0.50	36	<1.0	<5.0
MW-20	MW-20	03/12/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<0.50	10.6	<1.0	1.24	--	--
MW-20	MW-20	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	7.3	<0.50	1.1	<1.0	--
MW-20	MW-20	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.3	<0.50	1.9	<1.0	--
MW-20	MW-20	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.1	1.3	1.2	<1.0	--
MW-20	MW-20	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.6	<0.50	1.6	<1.0	<1.0
MW-20	MW-20	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.6	<0.50	1.7	<1.0	<5.0
VW-1	VW-1-101006	10/10/06	<1.0	<1.0	1.4	<1.0	<1.0	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	1,800	<0.50	17	<1.0	--
VW-1	VW-1	01/26/07	2.4	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	17	<1.0	--
VW-1	VW-1	05/23/07	2.8	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	14	<1.0	--
VW-1	VW-1	08/17/07	3.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	19	<1.0	--
VW-1	VW-1	05/14/08	2.9	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	32	<1.0	--
VW-2	VW-2-101006	10/10/06	<1.0	1.5	3.5	<1.0	5.7	<0.50	2.1	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	22	<1.0	--
VW-2	VW-2	01/26/07	3.7	<1.0	2.0	<1.0	5.5	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	1,900	<0.50	22	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloroethene µg/L	1,2-Dichloroethane µg/L	Chloroform µg/L	cis-1,2-Dichloroethene µg/L	Ethylbenzene µg/L	m,p-Xylene µg/L	o-Xylene µg/L	Tetrachloroethene µg/L	Toluene µg/L	Trichloroethene µg/L	Trichlorofluoromethane (Freon-11) µg/L	Trichlorotrifluoroethane (Freon-113) µg/L
VW-2	VW-2	05/23/07	2.3	<1.0	<1.0	<1.0	3.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	15	<1.0	--
VW-2	VW-2	08/17/07	4.2	<1.0	<1.0	<1.0	3.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	17	<1.0	--
VW-2	VW-2	05/14/08	3.4	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	13	<1.0	--
VW-2	VW-2	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	75	<0.50	<1.0	<1.0	--
VW-3	VW-3-101006	10/10/06	<1.0	1.4	2.0	<1.0	4.7	<0.50	1.4	1.5	<0.50	<1.0	<0.50	2,100	<0.50	17	<1.0	--
VW-3	VW-3	01/26/07	<1.0	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	9.5	<1.0	--
VW-3	VW-3	05/23/07	1.8	<1.0	<1.0	<1.0	3.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	9.8	<1.0	--
VW-3	VW-3	08/17/07	2.6	<1.0	<1.0	<1.0	3.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	13	<1.0	--
VW-3	VW-3	05/14/08	2.5	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	10	<1.0	--
VW-3	VW-3	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	81	<0.50	<1.0	<1.0	--
VW-4	VW-4-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	24	<1.0	--
VW-4	VW-4	01/26/07	<1.0	<1.0	<1.0	<1.0	3.4	<0.50	<1.0	1.5	<0.50	<1.0	<0.50	1,100	<0.50	120	<1.0	--
VW-4	VW-4	05/23/07	1.5	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	920	<0.50	28	<1.0	--
VW-4	VW-4	08/17/07	1.8	<1.0	<1.0	<1.0	4.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	46	<1.0	--
VW-4	VW-4	05/14/08	1.4	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	56	<1.0	--
Blank	EB-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	--	--
Blank	EB-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.2	<0.50	<1.0	<1.0	--
Blank	EB-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.4	<0.50	<1.0	<1.0	--
Blank	EB-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TB-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Blank	TB-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	Equip B	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	FB-1	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.5	<0.50	<1.0	<1.0	--
Blank	EB-2	05/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-2	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/11/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	3.8	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Blank	EB-1	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0
Blank	EB-1	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<5.0
Blank	EB-2	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<5.0

Notes:
 µg/L = micrograms per liter or parts per billion.
 < = Not detected above laboratory reporting limit indicated.
 VOCs are shown for detected compounds only. See laboratory reports for a complete list of compounds analyzed.
 All samples analyzed by SunStar Laboratories Inc., Lake Forest, CA.

QA/QC SC0

Table 3

Groundwater Chemistry Data Bodycote Thermal Processing, Techni-Braze Facility Santa Fe Springs, CA CM010272.0022								
Well ID	Sample ID	Sample Date	pH	Ferros Iron (mg/L)	Nitrate as NO3 (mg/L)	Sulfate as SO4 (mg/L)	Methane (µg/L)	Comments
MCA-1	Not Sampled	05/14/09	--	--	--	--	--	Insufficient water in well
MCA-2	Not Sampled	05/14/09	--	--	--	--	--	Dry
MCA-3	Not Sampled	05/14/09	--	--	--	--	--	Dry
MCA-4	MCA-4	05/14/09	7.28	<0.10	55.3	311	<1.0	
MW-5	MW-5	05/14/09	7.01	<0.10	28.5	115	<1.0	
MW-6	MW-6	05/15/09	7.19	<0.10	50.3	274	<1.0	
MW-7	MW-7	05/14/09	7.04	<0.10	10.2	257	<1.0	
MW-8	Not Sampled	05/14/09	--	--	--	--	--	Insufficient water in well
MW-9	Not Sampled	05/14/09	--	--	--	--	--	Dry
MW-10	Not Sampled	05/14/09	--	--	--	--	--	Dry
MW-11	Not Sampled	05/14/09	--	--	--	--	--	Dry
MW-12	Not Sampled	05/14/09	--	--	--	--	--	Dry
MW-14	Not Sampled	05/14/09	--	--	--	--	--	Insufficient water in well
MW-17	MW-17	05/15/09	7.29	<0.10	40.8	240	<1.0	
MW-18	MW-18	05/14/09	6.83	<0.10	26.1	293	<1.0	

Notes:
 µg/L = micrograms per liter (parts per billion)
 mg/L = milligrams per liter (parts per million)
 < = Not detected above laboratory reporting limit indicated.
 SunStar Laboratories Inc., Tustin, CA.

QA/QC SCO

Table 4

Soil Vapor Monitoring Data
 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Sample Location	Date Sampled	Field PID Readings (ppmv) ¹	Lab Sample Identification	Lab	Method	Analyte Concentration (ppmv) ^{1,2}					
						Acetone	Carbon disulfide	Chloromethane	Tetrachloroethene	Tetrahydrofuran	Trichloroethene
VW-1C	05/13/13	0.0	T131108-01	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-4C	05/13/13	1.0	T131108-02	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-5	05/13/13	1.0	T131108-03	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-6	05/13/13	1.3	T131108-04	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-7	05/13/13	1.1	T131108-05	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-8A	05/13/13	0.3	T131108-06	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-9	05/13/13	2.9	T131108-07	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-10A	05/13/13	1.0	T131108-08	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-11	05/13/13	0.0	T131108-09	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-12	05/13/13	0.6	T131108-10	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-13A	05/13/13	5.0	T131108-11	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-14	05/13/13	7.4	T131108-12	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-15A	05/13/13	1.7	T131108-13	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-19A	05/13/13	0.5	T131108-14	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-1C	08/20/13	0.8	--	--	--	--	--	--	--	--	--

Table 4

Soil Vapor Monitoring Data
Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Sample Location	Date Sampled	Field PID Readings (ppmv) ¹	Lab Sample Identification	Lab	Method	Analyte Concentration (ppmv) ^{1,2}					
						Acetone	Carbon disulfide	Chloromethane	Tetrachloroethene	Tetrahydrofuran	Trichloroethene
VW-4C	08/20/13	7.6	--	--	--	--	--	--	--	--	--
VW-5	08/20/13	1.0	T131814-01	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-6	08/20/13	0.6	--	--	--	--	--	--	--	--	--
VW-7	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-8A	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-9	08/20/13	1.0	T131814-02	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-10A	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-11	08/20/13	0.3	--	--	--	--	--	--	--	--	--
VW-12	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-13A	08/20/13	0.0	T131814-03	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-14	08/20/13	13.0	--	--	--	--	--	--	--	--	--
VW-15A	08/20/13	0.0	T131814-04	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-19A	08/20/13	0.5	T131814-05	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-1C	11/12/13	2.9	--	--	--	--	--	--	--	--	--

Table 4

Soil Vapor Monitoring Data
Bodycote Thermal Processing, Techni-Braze Facility
Santa Fe Springs, CA
CM010272.0022

Sample Location	Date Sampled	Field PID Readings (ppmv) ¹	Lab Sample Identification	Lab	Method	Analyte Concentration (ppmv) ^{1,2}					
						Acetone	Carbon disulfide	Chloromethane	Tetrachloroethene	Tetrahydrofuran	Trichloroethene
VW-4C	11/12/13	0.5	--	--	--	--	--	--	--	--	--
VW-5	11/12/13	0.5	T132444-01	Sunstar	TO-15	0.14	< 0.050	< 0.050	0.14	15	< 0.050
VW-6	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-7	11/12/13	0.2	--	--	--	--	--	--	--	--	--
VW-8A	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-9	11/12/13	1.0	T132444-02	Sunstar	TO-15	0.13	< 0.050	< 0.050	< 0.050	18	< 0.050
VW-10A	11/12/13	0.3	--	--	--	--	--	--	--	--	--
VW-11	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-12	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-13A	11/12/13	4.6	T132444-03	Sunstar	TO-15	0.23	< 0.050	< 0.050	< 0.050	18	< 0.050
VW-14	11/12/13	4.7	--	--	--	--	--	--	--	--	--
VW-15A	11/12/13	0.0	T132444-04	Sunstar	TO-15	< 0.050	0.086	0.076	< 0.050	14	< 0.050
VW-19A	11/12/13	0.3	T132444-05	Sunstar	TO-15	0.14	< 0.050	< 0.050	< 0.050	16	< 0.050

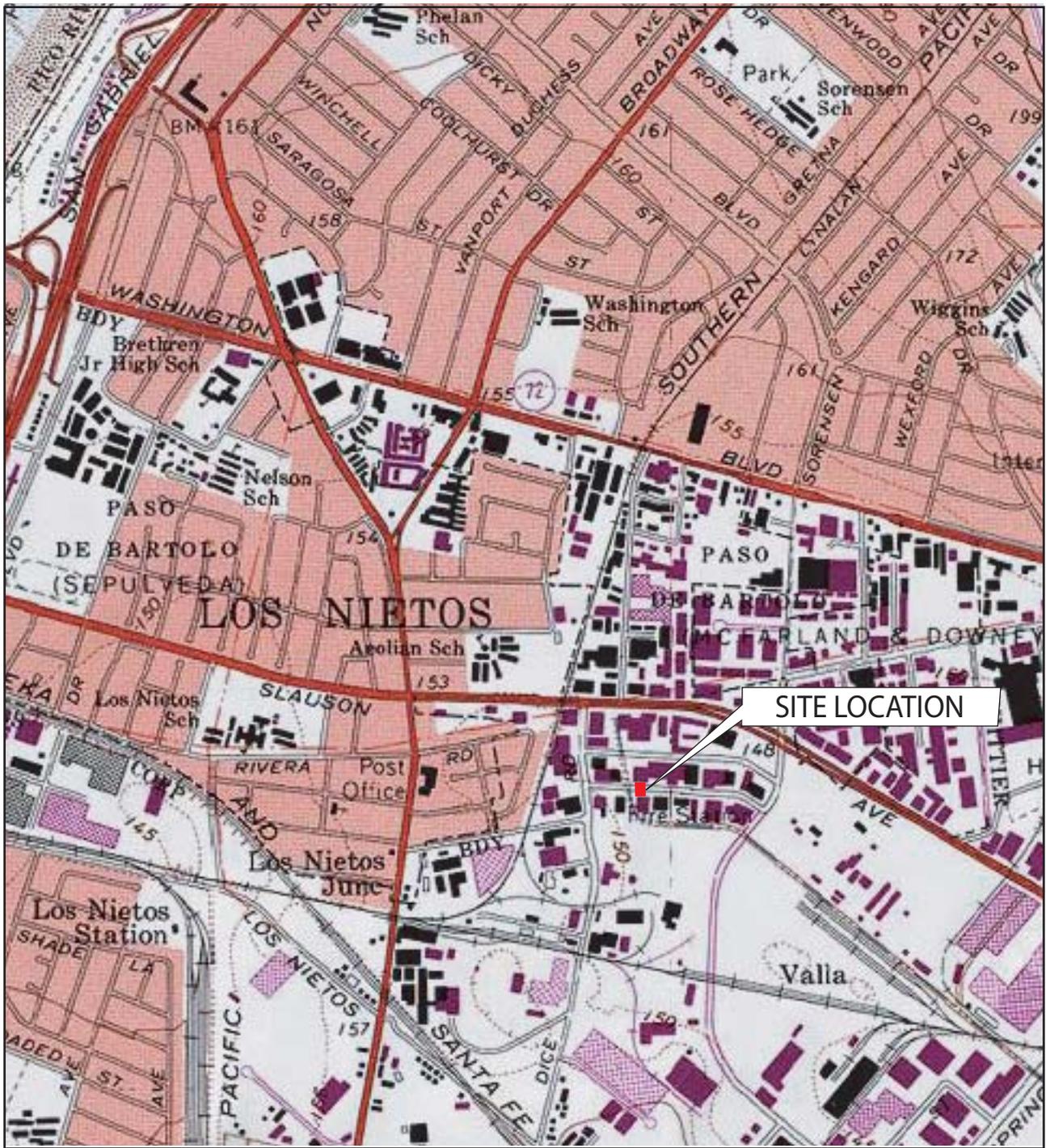
Notes:

1 - ppmv = parts per million by volume

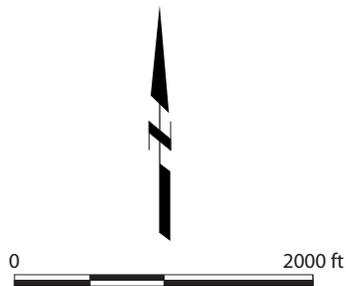
2 - only detected analytes (shown in bold) and PCE and TCE are shown.

ARCADIS

Figures



SOURCE: USGS Topographical Map, Whittier Quadrangle, 2001.



BODYCOTE TECHNI BRAZE
11845 BURKE ST., SANTA FE SPRINGS, CALIFORNIA

SITE VICINITY MAP



FIGURE
1

CITY:IRVINE DIV:GROUP:ENV:CAD DB:(EM) LD:(Opt) PIC:(Opt) PM:(SCO) TM:(Opt) Lyr:(Opt)ON="OFF"=REF G:\ENV\CAD\Civil\Mesa\ACT\CAD1027\20019\00002\3013\CAD10272\019\00002\01\3013.dwg LAYOUT: 2. SAVED: 8/26/2013 10:47 AM ACADVER: 18.1S (LMS TECH) PAGES: 18. PLOTSTYLE:TABLE: LFR-HALF SIZE.CTB PLOTTED: 8/26/2013 10:48 AM BY: MURESAN, ELENA



- LEGEND**
- SVE/GWM WELL - INSTALLED BY ARCADIS (FEB 2012)
 - ▲ GWM WELL - INSTALLED BY ARCADIS (FEB 2012)
 - GWM WELL - INSTALLED BY KLEINFELDER (1991) AND TERRAVAC (JANUARY 1995), GWM WELLS MW-17 AND MW-18 - INSTALLED BY LFR (JULY 2008)
 - ⊕ GWM WELL - INSTALLED BY MABBET CAPPACIO AND ASSOCIATES (AUGUST 1991), GWM WELLS MW-15 AND MW-19 - INSTALLED BY LFR (JULY 2008)
 - ▲ VAPOR/DUAL PHASE EXTRACTION WELLS - INSTALLED BY LFR
 - ▼ NESTED SVE WELLS - SHALLOW AND INTERMEDIATE
 - ▼ SHALLOW SVE WELLS
 - ▲ INTERMEDIATE SVE WELLS
 - x - x - FENCELINE

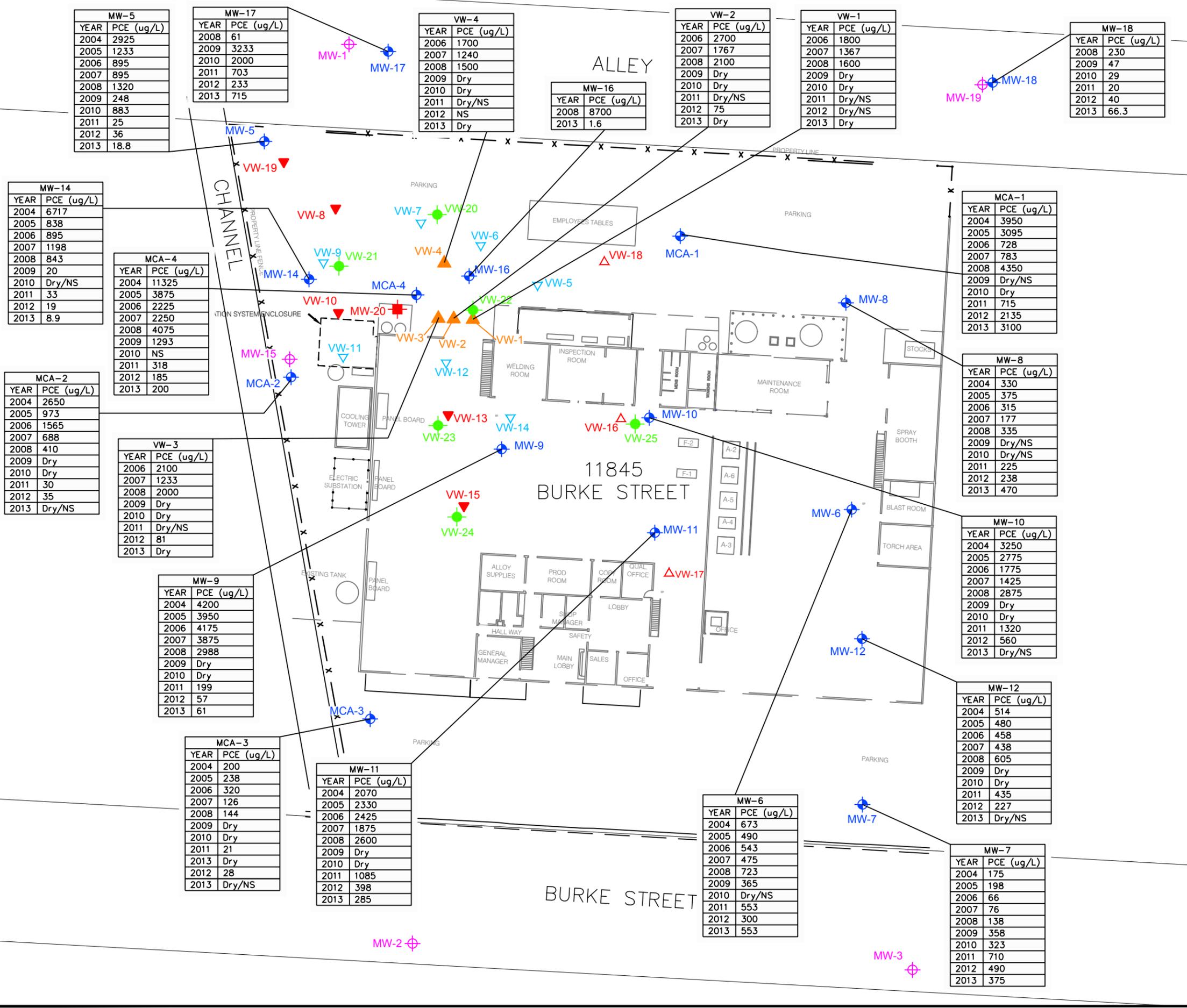


BODYCOTE TECHNI BRAZE
11845 BURKE ST., SANTA FE SPRINGS, CALIFORNIA

SITE PLAN

FIGURE
2

CITY: IRVINE DIV: GROUP: ENV-CAD DR: (EM) LD: (Opt) PIC: (Ort) PM: (SCO) TM: (Ort) LAY: (Option) OFF: (REF) LAY: (Option) OFF: (REF)
 G:\ENV\CAD\Central\mesa\ACT\M0102720022\0002\0002\C01_4C13.dwg LAYOUT: 5 SAVED: 1/17/2014 10:26 AM ACADVER: 18.1S (LMS TECH) PAGES: 18 PLOT: 1/17/2014 10:27 AM BY: MURESAN ELENA



LEGEND

- VW-21 SVE/GWM WELL INSTALLED BY ARCADIS (FEB 2012)
- MW-20 DEEP AQUIFER GWM WELL INSTALLED BY ARCADIS (FEB 2012)
- MW-5 GWM WELL - INSTALLED BY KLEINFELDER (1991) AND TERRAVAC (JANUARY 1995), GWM WELLS MW-17 AND MW-18 - INSTALLED BY LFR (JULY 2008)
- ⊕ MW-1 GWM WELL - INSTALLED BY MABBET CAPPACIO AND ASSOCIATES (AUGUST 1991), GWM WELLS MW-15 AND MW-19 - INSTALLED BY LFR (JULY 2008)
- ▲ VW-1 VAPOR/DUAL PHASE EXTRACTION WELLS - INSTALLED BY LFR
- ▼ VW-8 NESTED SVE WELLS - SHALLOW AND INTERMEDIATE
- ▽ VW-9 SHALLOW SVE WELLS
- △ VW-18 INTERMEDIATE SVE WELLS
- - - - FENCELINE
- GWM - GROUNDWATER MONITORING
- SVE - SOIL VAPOR EXTRACTION
- PCE - TETRACHLOROETHENE
- µg/L - MICROGRAMS PER LITER
- NS - NOT SAMPLED (NOT ENOUGH WATER IN WELL TO SAMPLE)



BODYCOTE TECHNI BRAZE
 11845 BURKE ST., SANTA FE SPRINGS, CALIFORNIA
NOVEMBER 2013

**SITE PLAN SHOWING YEARLY AVERAGE
 PCE CONCENTRATIONS
 IN ZONE A**

FIGURE
5

MW-5	
YEAR	PCE (ug/L)
2004	2925
2005	1233
2006	895
2007	895
2008	1320
2009	248
2010	883
2011	25
2012	36
2013	18.8

MW-17	
YEAR	PCE (ug/L)
2008	61
2009	3233
2010	2000
2011	703
2012	233
2013	715

VW-4	
YEAR	PCE (ug/L)
2006	1700
2007	1240
2008	1500
2009	Dry
2010	Dry
2011	Dry/NS
2012	NS
2013	Dry

MW-16	
YEAR	PCE (ug/L)
2008	8700
2013	1.6

VW-2	
YEAR	PCE (ug/L)
2006	2700
2007	1767
2008	2100
2009	Dry
2010	Dry
2011	Dry/NS
2012	75
2013	Dry

VW-1	
YEAR	PCE (ug/L)
2006	1800
2007	1367
2008	1600
2009	Dry
2010	Dry
2011	Dry/NS
2012	Dry/NS
2013	Dry

MW-18	
YEAR	PCE (ug/L)
2008	230
2009	47
2010	29
2011	20
2012	40
2013	66.3

MW-14	
YEAR	PCE (ug/L)
2004	6717
2005	838
2006	895
2007	1198
2008	843
2009	20
2010	Dry/NS
2011	33
2012	19
2013	8.9

MCA-4	
YEAR	PCE (ug/L)
2004	11325
2005	3875
2006	2225
2007	2250
2008	4075
2009	1293
2010	NS
2011	318
2012	185
2013	200

MCA-2	
YEAR	PCE (ug/L)
2004	2650
2005	973
2006	1565
2007	688
2008	410
2009	Dry
2010	Dry
2011	30
2012	35
2013	Dry/NS

VW-3	
YEAR	PCE (ug/L)
2006	2100
2007	1233
2008	2000
2009	Dry
2010	Dry
2011	Dry/NS
2012	81
2013	Dry

MW-9	
YEAR	PCE (ug/L)
2004	4200
2005	3950
2006	4175
2007	3875
2008	2988
2009	Dry
2010	Dry
2011	199
2012	57
2013	61

MCA-3	
YEAR	PCE (ug/L)
2004	200
2005	238
2006	320
2007	126
2008	144
2009	Dry
2010	Dry
2011	21
2013	Dry
2012	28
2013	Dry/NS

MW-11	
YEAR	PCE (ug/L)
2004	2070
2005	2330
2006	2425
2007	1875
2008	2600
2009	Dry
2010	Dry
2011	1085
2012	398
2013	285

MW-6	
YEAR	PCE (ug/L)
2004	673
2005	490
2006	543
2007	475
2008	723
2009	365
2010	Dry/NS
2011	553
2012	300
2013	553

MCA-1	
YEAR	PCE (ug/L)
2004	3950
2005	3095
2006	728
2007	783
2008	4350
2009	Dry/NS
2010	Dry
2011	715
2012	2135
2013	3100

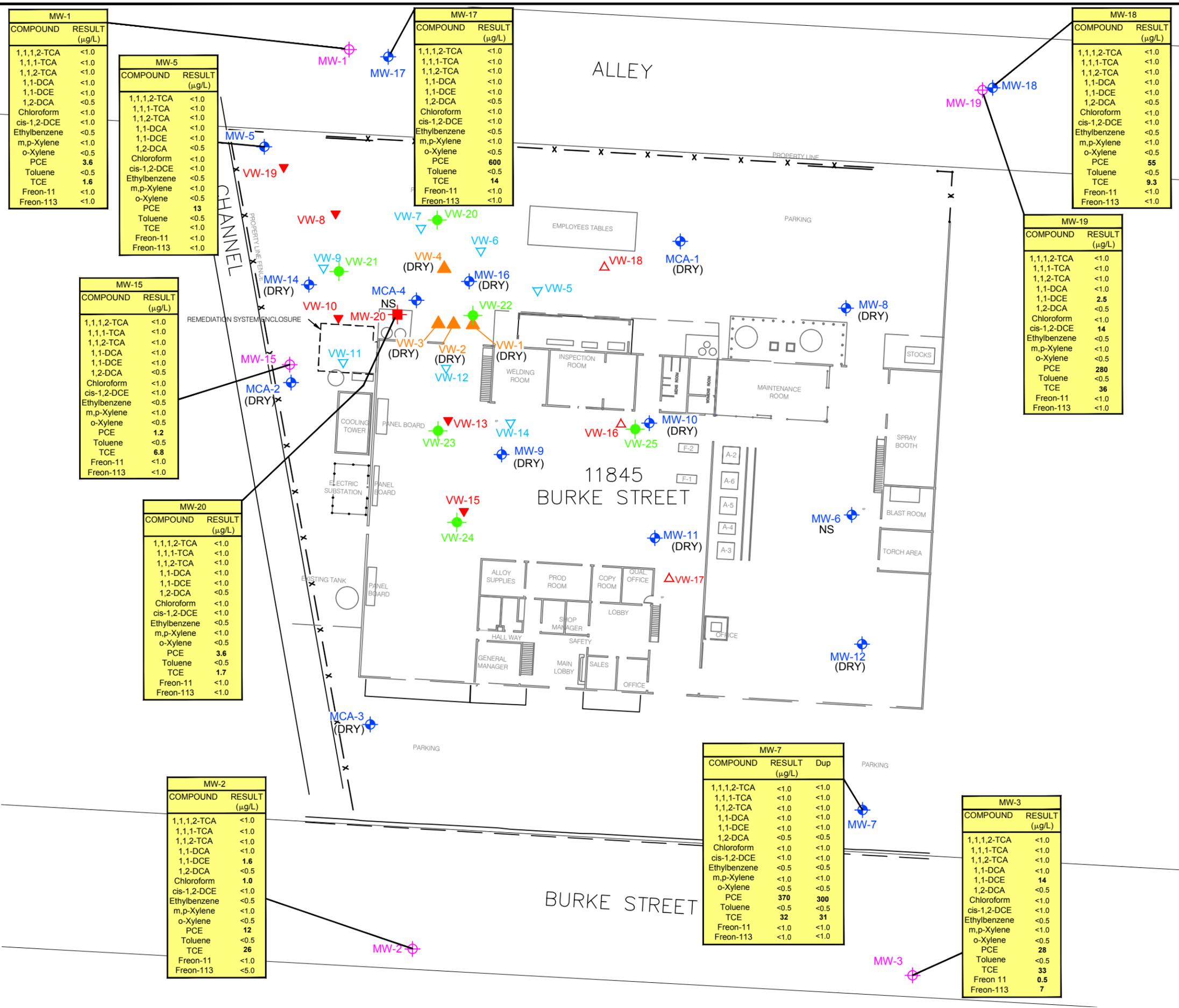
MW-8	
YEAR	PCE (ug/L)
2004	330
2005	375
2006	315
2007	177
2008	335
2009	Dry/NS
2010	Dry/NS
2011	225
2012	238
2013	470

MW-10	
YEAR	PCE (ug/L)
2004	3250
2005	2775
2006	1775
2007	1425
2008	2875
2009	Dry
2010	Dry
2011	1320
2012	560
2013	Dry/NS

MW-12	
YEAR	PCE (ug/L)
2004	514
2005	480
2006	458
2007	438
2008	605
2009	Dry
2010	Dry
2011	435
2012	227
2013	Dry/NS

MW-7	
YEAR	PCE (ug/L)
2004	175
2005	198
2006	66
2007	76
2008	138
2009	358
2010	323
2011	710
2012	490
2013	375

CITY:IRVINE DIV:GROUP:ENV:CAD DR:(EM) LD:(Opt) PIC:(Opt) PM:(SCO) TM:(Opt) Lyr:(Opt)ON="OFF"=REF*
 G:\ENV\CAD\Cad\10272002\0000204013\CAD\10272002_00002_001_4013.dwg LAYOUT: 7. SAVED: 1/17/2014 10:30 AM ACADVER: 18.1S (LMS TECH) PAGES: 18. PLOTSTYLE:TABLE: LFR:HALF SIZE:CTB PLOTTED: 1/17/2014 10:30 AM BY: MURESAN ELENA



- LEGEND**
- VW-21 SVE/GWM WELL INSTALLED BY ARCADIS (FEB 2012)
 - MW-20 DEEP AQUIFER GWM WELL INSTALLED BY ARCADIS (FEB 2012)
 - MW-5 GWM WELL - INSTALLED BY KLEINFELDER (1991) AND TERRAVAC (JANUARY 1995), GWM WELLS MW-17 AND MW-18 - INSTALLED BY LFR (JULY 2008)
 - ⊕ MW-1 GWM WELL - INSTALLED BY MABBET CAPPACIO AND ASSOCIATES (AUGUST 1991), GWM WELLS MW-15 AND MW-19 - INSTALLED BY LFR (JULY 2008)
 - ▲ VW-1 VAPOR/DUAL PHASE EXTRACTION WELLS - INSTALLED BY LFR
 - ▼ VW-8 NESTED SVE WELLS - SHALLOW AND INTERMEDIATE
 - ▽ VW-9 SHALLOW SVE WELLS
 - △ VW-18 INTERMEDIATE SVE WELLS
 - - - - - FENCELINE
 - μg/L - MICROGRAMS PER LITER
 - NS - NOT SAMPLED (NOT ENOUGH WATER IN WELL TO SAMPLE)
- 1,1,1,2-TCA - 1,1,1,2-Tetrachloroethane
 - 1,1,1-TCA - 1,1,1-Trichloroethane
 - 1,1,2-TCA - 1,1,2-Trichloroethane
 - 1,1-DCA - 1,1-Dichloroethane
 - 1,1-DCE - 1,1-Dichloroethene
 - 1,2-DCA - 1,2-Dichloroethane
 - cis-1,2-DCE - cis-1,2-Dichloroethene
 - PCE - Tetrachloroethene
 - TCE - Trichloroethene
 - Freon-11 - Trichlorofluoromethane
 - Freon-113 - 1,1,1-trichloro-1,2,2-trifluoroethane



BODYCOTE TECHNI BRAZE
 11845 BURKE ST., SANTA FE SPRINGS, CALIFORNIA
NOVEMBER 2013

**SITE PLAN SHOWING
 VOC CONCENTRATIONS
 IN ZONES A AND B**

ARCADIS

FIGURE
7

MW-1	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	<1.0
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	3.6
Toluene	<0.5
TCE	1.6
Freon-11	<1.0
Freon-113	<1.0

MW-5	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	<1.0
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	13
Toluene	<0.5
TCE	<1.0
Freon-11	<1.0
Freon-113	<1.0

MW-17	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	<1.0
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	600
Toluene	<0.5
TCE	14
Freon-11	<1.0
Freon-113	<1.0

MW-18	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	<1.0
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	55
Toluene	<0.5
TCE	9.3
Freon-11	<1.0
Freon-113	<1.0

MW-15	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	<1.0
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	1.2
Toluene	<0.5
TCE	6.8
Freon-11	<1.0
Freon-113	<1.0

MW-20	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	<1.0
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	3.6
Toluene	<0.5
TCE	1.7
Freon-11	<1.0
Freon-113	<1.0

MW-2	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	1.6
1,2-DCA	<0.5
Chloroform	1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	12
Toluene	<0.5
TCE	26
Freon-11	<1.0
Freon-113	<5.0

MW-7		
COMPOUND	RESULT (μg/L)	Dup
1,1,1,2-TCA	<1.0	<1.0
1,1,1-TCA	<1.0	<1.0
1,1,2-TCA	<1.0	<1.0
1,1-DCA	<1.0	<1.0
1,1-DCE	<1.0	<1.0
1,2-DCA	<0.5	<0.5
Chloroform	<1.0	<1.0
cis-1,2-DCE	<1.0	<1.0
Ethylbenzene	<0.5	<0.5
m,p-Xylene	<1.0	<1.0
o-Xylene	<0.5	<0.5
PCE	370	300
Toluene	<0.5	<0.5
TCE	32	31
Freon-11	<1.0	<1.0
Freon-113	<1.0	<1.0

MW-3	
COMPOUND	RESULT (μg/L)
1,1,1,2-TCA	<1.0
1,1,1-TCA	<1.0
1,1,2-TCA	<1.0
1,1-DCA	<1.0
1,1-DCE	14
1,2-DCA	<0.5
Chloroform	<1.0
cis-1,2-DCE	<1.0
Ethylbenzene	<0.5
m,p-Xylene	<1.0
o-Xylene	<0.5
PCE	28
Toluene	<0.5
TCE	33
Freon-11	0.5
Freon-113	7

Appendix A

ARCADIS Field Protocols

ARCADIS Field Protocols***Monitoring Well Purging***

Prior to groundwater sampling, approximately three casing volumes of groundwater were purged from each well using a submersible pump. The temperature, specific conductance, turbidity, and pH of the groundwater were measured throughout the purging process. These groundwater parameters were allowed to reach relative stabilization before samples were collected, for the purpose of collecting representative groundwater samples.

Groundwater Sampling Equipment Cleaning

Equipment used to develop or sample the wells was washed in a laboratory-grade detergent and/or steam cleaned prior to use in each monitoring well. For water sampling, a single-use disposable bailer and sampling spigot were used. New nylon string was tied to the bailer and lowered into the well for sampling. The bailer, sampling spigot, and nylon string were disposed of after the collection of the water sample from each sampling location.

Groundwater Monitoring Well Water Sampling

Groundwater samples were collected from all wells using a disposable bailer suspended by a clean (new) length of rope. Groundwater samples were decanted from the bailer into appropriate laboratory-supplied, 40-milliliter vials using a bottom decanting petcock device. The containers were sealed, labeled, and placed in a chilled cooler for delivery to the analytical laboratory. Chain-of-custody protocol was followed throughout the sample handling process.

Groundwater Well Survey

After the groundwater monitoring wells were installed, the top of each well casing was surveyed for vertical and horizontal control by a licensed California surveyor. The casing elevation of each well was surveyed to the nearest 0.01 foot relative to mean sea level. Horizontal control was tied to a United States Geological Survey or Los Angeles County benchmark.

Depth-to-Groundwater Measurements

An electronic water-level meter was used to measure the depth to groundwater to the nearest 0.01 foot in each well. Groundwater elevations were calculated and used to construct groundwater elevation contour maps from which the direction of groundwater flow and gradient may be evaluated.

ARCADIS

Appendix B

Groundwater Quality
Sampling Information

Water-level Measurements

Project Number: _____

Page 1 of 1

Project Name: BOLDYCOTE TEEHNI - BRAZE

Date: 11-12-13

Project Location: SANTA FE SPRINGS CA

Day: M (T) W Th F S S

Site Conditions/Weather: NO ADVERSE

ARCADIS Staff: _____

Comments : _____

Well Number	Time	Depth Measurements (feet below measuring point)			Product Thickness (feet)	Comments (Elevation, Condition Of Well Box, Etc.)
		Casing Depth	Depth to Product	Depth to Water		
MW-2	0600	93 ⁰		59 ⁰		
MW-3		49 ⁵⁰		55 ⁹⁵		
MW-7		39 ^{47⁵⁰}		40 ^{81⁰}		Replace BELTS
MCA-3		39 ¹⁰		DRY		Replace BELTS
MW-1		106		58 ⁰³		
MW-17		47 ⁵⁷		42 ⁷⁸		
MW-19		101		44 ⁹⁴		
MW-18		46 ⁶⁵		40 ⁸¹		
MW-8		41 ⁸⁰		DRY		
MCA-1		42 ⁸⁰		DRY		
VW-4A		35 ¹⁰		DRY		
AS-1		56 ⁸⁰		42 ⁶⁴		
MCA-4		44 ¹⁵		42 ⁹³		IWS
MW-20		100		58 ⁶⁵		
MW-16		34⁷⁰ 34 ⁷⁰		58³⁰ 33 ³⁰		NEED 4 NEW BELTS NO TIGHT SEAL. UNION
VW-2		34 ⁷⁰		DRY		
VW-3		35 ⁶⁰		DRY		
VW-1		35 ³⁰		DRY		
MW-14		42 ⁴⁰		42 ³⁵ DRY		
MW-5		47 ⁵⁰		42 ⁹²		
MW-15		100 ⁰		58 ⁰³		
MCA-2		38 ¹⁰		DRY		
MW-9		40 ⁶⁰		DRY		
MW-10		40 ²⁰		DRY		
MW-11		42 ⁴⁰		DRY		
MW-12		40 ⁰		DRY		
MW-6		45 ⁸⁰		44 ⁰⁴		

Reviewed by: fw Signed: Ronan Conway Date: 11/21/13

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0019 00001 Date: 11-13-13 Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-~~3~~01 EB-1
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP ⁰⁷⁰⁰
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested	No. and Type of Bottles Used
VOCs by EPA Method 8260B	5 VOAs
1,4-Dioxane by EPA 8260B SIM	

Lab Name: Sunstar Labs
 Delivery By Shipment _____ Hand _____

Well No. MW-1 Depth of Water 58.03
 Well Diameter: _____ Well Depth 106.00
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 47.97
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 31.2 x 3 = 94

80% DTW _____

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0730		start	18.50			6.86		0.721	
0740		25	19.73			7.36		0.711	
0745		30							dry purged dry
1050		sampled at							

REVIEWED BY: jen SIGNED: Brian White DATE: 11/21/13

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0019 00001 Date: 11-13-13 ¹⁴ Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-2 EB-2
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested: VOCs by EPA Method 8260B No. and Type of Bottles Used: 5 VOAs
1,4-Dioxane by EPA 8260B SIM
 Lab Name: Sunstar Labs
 Delivery By Shipment Hand

34.00 x 2
 6.8
 +
 58.00
 80% DTW 65.80

Well No. MW-2 Depth of Water 59.00
 Well Diameter: 4" Well Depth 93.00
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 34.00
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 22.1 x 3 = 66.3

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0645		start	18.13			6.01		0.946	
0650		22	18.59			6.48		1.35	
0654		44	19.34			6.88		1.37	
0659		66	19.76			7.04		1.37	
0700	58.60	sampled at							

REVIEWED BY: [Signature] SIGNED: [Signature] DATE: 11/13

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0019 00001 Date: 11-13-13 Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-3 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested	No. and Type of Bottles Used
VOCs by EPA Method 8260B	5 VOAs
1,4-Dioxane by EPA 8260B SIM	

Lab Name: Sunstar Labs
 Delivery By Shipment _____ Hand _____

43.55 x .2
 8.71
 + 55.95
 80% DTW 64.66

Well No. MW-3 Depth of Water 55.95
 Well Diameter: 4" Well Depth 99.50
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 43.55
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 28.3 x 3 = 85 gal

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0710		54 gal	19.35			7.33		0.857	
0717		30	19.66			7.27		1.11	
0721		60	19.80			7.28		1.28	
0726									
0728	56.11	sampled at							

REVIEWED BY: [Signature] SIGNED: [Signature] DATE: 11/21/13

Project No. CM010272.0019 00001 Date: 11-14-13 Page 1 of 1

Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California

Sampler's Name: Brian White / Brent Anderson Sample No.: MW-7 FB

Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP Dup-1

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested: VOCs by EPA Method 8260B No. and Type of Bottles Used: 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Delivery By Shipment Hand _____

Well No. MW-7 Depth of Water 40.81

Well Diameter: 4" Well Depth 47.50

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 6.69

4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 4.34

6.69 x .20
= 1.3
+
40.81
80% DTW 42.15

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µm/cm)	Remarks (ie; EVO visible)
0740		Start	20.01			7.18		1.42	
0745		4	20.44			7.14		1.45	
0748		7	20.56			7.16		1.45	Bailed Dry
948		sampled at							

REVIEWED BY: [Signature] SIGNED: [Signature] DATE: 11/14/13

Project No. CM010272.0019 00001 Date: 11-13-13 Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-15 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested No. and Type of Bottles Used
VOCs by EPA Method 8260B 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Delivery By Shipment Hand

42.00 + .2 =
 5.40
 +
 58.02
 80% DTW 66.42

Well No. MW-15 Depth of Water 58.02
 Well Diameter: 4" Well Depth 100.00
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 42.00
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 27.3 x 3 = 82 gal

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0915		start	22.37			8.02		0.605	
0923		30	21.34			7.39		1.42	
0932		60	20.73			6.97		1.49	
0940		84	20.48			6.92		1.49	
0945	58.06	sample of							

REVIEWED BY: Joe SIGNED: Brian Anderson DATE: 11/21/13

Project No. CM010272.0019 00001 Date: 11-¹⁴ 13 Page 1 of 1
 Project Name: Bodycote Technibraise Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-17 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested No. and Type of Bottles Used
VOCs by EPA Method 8260B 5 VOAs
1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs
 Delivery By Shipment Hand

Well No. MW-17 Depth of Water 42.78
 Well Diameter: _____ Well Depth 47.57
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 4.79
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 3.23

$4.79 \times .20 = 0.96$
 $+ 42.78$
 80% DTW 43.74

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0832		start	20.63			7.14		1.47	
0835		3.5	21.03			7.20		1.51	Bailed Dry
1040	45.00	Sampled at							

REVIEWED BY: fo SIGNED: Demo Asmug DATE: 11/21/13

Project No. CM010272.0019 00001 Date: 11-13-13 Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-~~18~~ 18 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested	No. and Type of Bottles Used
VOCs by EPA Method 8260B	5 VOAs
1,4-Dioxane by EPA 8260B SIM	

Lab Name: Sunstar Labs
 Delivery By Shipment _____ Hand _____

$5.84 \times 0.2 = 1.2$
 +
 40.81
 80% DTW 42.0

Well No. MW-18 Depth of Water 40.81
 Well Diameter: 4" Well Depth 46.65
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 5.84
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 3.8

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0805		Start	21.06			7.02		1.70	
0810		4	21.27			6.99		1.71	Bailed Dry
0922	41.96	sampld at							

REVIEWED BY: SW SIGNED: Brian White DATE: 11/21/13

Project No. CM010272.0019 00001 Date: 11-13-13 Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-19 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested: VOCs by EPA Method 8260B No. and Type of Bottles Used: 5 VOAs
1,4-Dioxane by EPA 8260B SIM
 Lab Name: Sunstar Labs
 Delivery By Shipment Hand

56.06 x 0.20
 11.21
 + 44.94
 80% DTW 56.15

Well No. MW-19 Depth of Water 44.94
 Well Diameter: 4" Well Depth 101.00
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 56.06
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 36.4 x 3 = 109

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0800		start	20.55			7.17		1.66	
0810		36	20.73			7.00		1.84	
0820		75	20.80			6.99		1.86	
0828		110	20.40			7.02		1.88	
0830	47.40	sampled at							

REVIEWED BY: [Signature] SIGNED: [Signature] DATE: 11/21/13

Project No. CM010272.0019 00001 Date: 11-14-13 Page 1 of 1
 Project Name: Bodycote Technibraise Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: MW-20 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested: VOCs by EPA Method 8260B No. and Type of Bottles Used: 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Delivery By Shipment Hand

Well No. MW-20 Depth of Water 58.65

Well Diameter: _____ Well Depth 100.00

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 41.35

4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 27 x 3 = 81

41.35 x .20
 = ~~8.27~~ 8.27
 +
 58.65
 80% DTW 66.92

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie: EVO visible)
0800		start	19.37			7.57		0.844	
0805		27	19.71			7.44		0.792	Dry in casing
955	66.90	sampled at							

REVIEWED BY: Reo SIGNED: Brent Anderson DATE: 11/21/13

Project No. CM010272.0019 00001 Date: 11-14-13 Page 1 of 1
 Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
 Sampler's Name: Brian White / Brent Anderson Sample No.: AS-1 FB
 Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP
 Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____
 Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site
 Date Purge Water Disposed: To be determined Where Disposed: _____

Analyses Requested No. and Type of Bottles Used
VOCs by EPA Method 8260B 5 VOAs
1,4-Dioxane by EPA 8260B SIM
 Lab Name: Sunstar Labs
 Delivery By Shipment _____ Hand _____

16.16×0.20
 $= 3.2$
 $+ 42.64$

 80% DTW 45.87

Well No. AS-1 Depth of Water 42.64
 Well Diameter: 2" Well Depth 58.80
 2" (0.16 gal/foot) 5" (1.02 gal/foot) Water Column Height 16.16
 4" (0.65 gal/foot) 6" (1.47 gal/foot) Well Volume 2.6

Time	Depth to Water	Volume Purged (gal)	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)	ORP (mv)	Specific Cond. (µS/cm)	Remarks (ie; EVO visible)
0842		<u>Start</u>	<u>20.57</u>			<u>7.35</u>		<u>0.935</u>	
0847		<u>2.5</u>	<u>20.38</u>			<u>7.42</u>		<u>0.889</u>	
0850		<u>3</u>	<u>20.27</u>			<u>7.45</u>		<u>0.885</u>	<u>Bailed Dry</u>
<u>1020</u>	<u>44.35</u>	<u>sampled at</u>							

REVIEWED BY: Joe SIGNED: Brian Anderson DATE: 11/14/13

ARCADIS

Appendix C

Laboratory Reports and
Chain-of-Custody Forms for
Groundwater Samples



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

22 November 2013

Sonia Cisneros
ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine, CA 92602
RE: Bodycote Technibraz

Enclosed are the results of analyses for samples received by the laboratory on 11/13/13 12:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019
Project Manager: Sonia Cisneros

Reported:
11/22/13 09:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB-1	T132443-02	Water	11/13/13 07:00	11/13/13 12:20
MW-1	T132443-03	Water	11/13/13 10:50	11/13/13 12:20
MW-18	T132443-04	Water	11/13/13 08:22	11/13/13 12:20
MW-19	T132443-05	Water	11/13/13 08:30	11/13/13 12:20
MW-15	T132443-06	Water	11/13/13 09:45	11/13/13 12:20

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:47
--	---	-----------------------------

EB-1
T132443-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	4.7	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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EB-1
T132443-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	83.5-119		"	"	"	"	

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EB-1
T132443-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		116 %		81-136	3111327	11/13/13	11/14/13	EPA 8260B	
Surrogate: Toluene-d8		102 %		88.8-117	"	"	"	"	
Acetone	ND	10	"	"	"	"	"	"	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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MW-1
T132443-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:47

MW-1
T132443-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	3.6	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	1.6	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %		83.5-119	"	"	"	"	

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MW-1
T132443-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		108 %		81-136	3111327	11/13/13	11/14/13	EPA 8260B	
Surrogate: Toluene-d8		94.8 %		88.8-117	"	"	11/14/13	"	
1,4-Dioxane	ND	10	"	"	3111323	11/13/13	11/14/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		108 %		60-124	"	"	"	"	
Acetone	ND	10	"	"	3111327	11/13/13	11/14/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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MW-18
T132443-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
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MW-18
T132443-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	55	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	9.3	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %		83.5-119	"	"	"	"	

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MW-18
T132443-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		111 %	81-136		3111327	11/13/13	11/14/13	EPA 8260B	
Surrogate: Toluene-d8		100 %	88.8-117		"	"	11/14/13	"	
1,4-Dioxane	ND	10	"	"	3111323	11/13/13	11/14/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		111 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111327	11/13/13	11/14/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:47
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MW-19
T132443-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	2.5	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	14	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:47

MW-19
T132443-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	280	5.0	"	5	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	36	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.9 %		83.5-119	"	"	"	"	

SunStar Laboratories, Inc.

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MW-19
T132443-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		114 %	81-136		3111327	11/13/13	11/14/13	EPA 8260B	
Surrogate: Toluene-d8		102 %	88.8-117		"	"	11/14/13	"	
1,4-Dioxane	ND	10	"	"	3111323	11/13/13	11/14/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		114 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111327	11/13/13	11/14/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:47

MW-15
T132443-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Carbon Disulfide	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
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Reported:
 11/22/13 09:47

MW-15
T132443-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111327	11/13/13	11/14/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	1.2	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	6.8	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.9 %		83.5-119	"	"	"	"	

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MW-15
T132443-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		112 %		81-136	3111327	11/13/13	11/14/13	EPA 8260B	
Surrogate: Toluene-d8		101 %		88.8-117	"	"	11/14/13	"	
1,4-Dioxane	ND	10	"	"	3111323	11/13/13	11/14/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		112 %		60-124	"	"	"	"	
Acetone	ND	10	"	"	3111327	11/13/13	11/14/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111323 - EPA 5030 GCMS

Blank (3111323-BLK1)

Prepared & Analyzed: 11/13/13

1,4-Dioxane	ND	10	ug/l							
<i>Surrogate: Dibromofluoromethane</i>	8.25		"	8.00		103	60-124			

LCS (3111323-BS1)

Prepared: 11/13/13 Analyzed: 11/14/13

1,4-Dioxane	40.7	10	ug/l	40.0		102	75-125			
<i>Surrogate: Dibromofluoromethane</i>	9.48		"	8.00		118	60-124			

Matrix Spike (3111323-MS1)

Source: T132443-03

Prepared: 11/13/13 Analyzed: 11/14/13

1,4-Dioxane	44.9	10	ug/l	40.0	1.23	109	75-125			
<i>Surrogate: Dibromofluoromethane</i>	9.87		"	8.00		123	60-124			

Matrix Spike Dup (3111323-MSD1)

Source: T132443-03

Prepared: 11/13/13 Analyzed: 11/14/13

1,4-Dioxane	44.9	10	ug/l	40.0	1.23	109	75-125	0.0446	20	
<i>Surrogate: Dibromofluoromethane</i>	9.86		"	8.00		123	60-124			

Batch 3111327 - EPA 5030 GCMS

Blank (3111327-BLK1)

Prepared: 11/13/13 Analyzed: 11/14/13

Carbon Disulfide	ND	1.0	ug/l							
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Acetone	ND	10	"							
Bromomethane	ND	1.0	"							
Methyl ethyl ketone	ND	10	"							
Methyl isobutyl ketone	ND	10	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
2-Hexanone (MBK)	ND	10	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111327 - EPA 5030 GCMS

Blank (3111327-BLK1)

Prepared: 11/13/13 Analyzed: 11/14/13

2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							

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Daniel Chavez, Project Manager



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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111327 - EPA 5030 GCMS

Blank (3111327-BLK1)

Prepared: 11/13/13 Analyzed: 11/14/13

Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Methyl tert-butyl ether	ND	1.0	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	7.88		"	8.00		98.5	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	8.86		"	8.00		111	81-136			
<i>Surrogate: Toluene-d8</i>	7.87		"	8.00		98.4	88.8-117			

LCS (3111327-BS1)

Prepared: 11/13/13 Analyzed: 11/14/13

Chlorobenzene	23.1	1.0	ug/l	20.0		115	75-125			
1,1-Dichloroethene	21.3	1.0	"	20.0		106	75-125			
Trichloroethene	19.7	1.0	"	20.0		98.5	75-125			
Benzene	19.9	0.50	"	20.0		99.5	75-125			
Toluene	18.6	0.50	"	20.0		93.0	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	9.25		"	8.00		116	83.5-119			
<i>Surrogate: Dibromofluoromethane</i>	8.67		"	8.00		108	81-136			
<i>Surrogate: Toluene-d8</i>	7.70		"	8.00		96.2	88.8-117			

Matrix Spike (3111327-MS1)

Source: T132443-04

Prepared: 11/13/13 Analyzed: 11/14/13

Chlorobenzene	22.8	1.0	ug/l	20.0	ND	114	75-125			
1,1-Dichloroethene	27.2	1.0	"	20.0	ND	136	75-125			QM-05
Trichloroethene	32.3	1.0	"	20.0	9.33	115	75-125			
Benzene	24.0	0.50	"	20.0	ND	120	75-125			
Toluene	24.2	0.50	"	20.0	ND	121	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	9.59		"	8.00		120	83.5-119			S-GC
<i>Surrogate: Dibromofluoromethane</i>	9.56		"	8.00		120	81-136			
<i>Surrogate: Toluene-d8</i>	8.47		"	8.00		106	88.8-117			

SunStar Laboratories, Inc.

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ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019
Project Manager: Sonia Cisneros

Reported:
11/22/13 09:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111327 - EPA 5030 GCMS

Matrix Spike Dup (3111327-MSD1)

Source: T132443-04

Prepared: 11/13/13 Analyzed: 11/14/13

Chlorobenzene	24.0	1.0	ug/l	20.0	ND	120	75-125	5.16	20	
1,1-Dichloroethene	27.4	1.0	"	20.0	ND	137	75-125	0.476	20	QM-05
Trichloroethene	34.2	1.0	"	20.0	9.33	124	75-125	5.71	20	
Benzene	24.7	0.50	"	20.0	ND	123	75-125	2.67	20	
Toluene	24.6	0.50	"	20.0	ND	123	75-125	1.31	20	
Surrogate: 4-Bromofluorobenzene	9.05		"	8.00		113	83.5-119			
Surrogate: Dibromofluoromethane	9.62		"	8.00		120	81-136			
Surrogate: Toluene-d8	8.53		"	8.00		107	88.8-117			

SunStar Laboratories, Inc.



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Daniel Chavez, Project Manager

ARCADIS -- Irvine

320 Commerce, Suite 200

Irvine CA, 92602

Project: Bodycote Technibraze

Project Number: CM010272.0019

Project Manager: Sonia Cisneros

Reported:

11/22/13 09:47

Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.



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Daniel Chavez, Project Manager

ID#: _____

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #
T132443

Send Results to:
 Contact & Company Name: Sonia Cisneros/AWS
 Telephone: _____
 Address: 370 Commerce
 Fax: _____
 City: Irvine State: CA Zip: 92607
 E-mail Address: _____
 Project Name/Location (City, State): Bodycote T-Brave
 Project #: CM010272.0019
 Sampler's Printed Name: Brian White
 Sampler's Signature: _____

Preservative	<u>B</u>	<u>B</u>	<u>B</u>				
Filtered (✓)	<u>/</u>	<u>/</u>	<u>/</u>				
# of Containers	<u>2</u>	<u>5</u>	<u>5</u>				
Container Information	<u>1</u>	<u>1</u>	<u>1</u>				

- Keys**
- Preservation Key:**
 A. H₂SO₄
 B. HCl
 C. HNO₃
 D. NaOH
 E. None
 F. Other: _____
 G. Other: _____
 H. Other: _____
- Container Information Key:**
 1. 40 ml Vial
 2. 1 L Amber
 3. 250 ml Plastic
 4. 500 ml Plastic
 5. Encore
 6. 2 oz. Glass
 7. 4 oz. Glass
 8. 8 oz. Glass
 9. Other: _____
 10. Other: _____
- Matrix Key:**
 SO - Soil SE - Sediment NL - NAPL/Oil
 W - Water SL - Sludge SW - Sample Wipe
 T - Tissue A - Air Other: _____

PARAMETER ANALYSIS & METHOD

Hold Trip Blank 8260 B
8260 VOCs
1,4 Dioxane 8260 SEM

Sample ID	Collection		Type (✓)		Matrix	PARAMETER ANALYSIS & METHOD		REMARKS
	Date	Time	Comp	Grab				
4 Trip Blank 01	11-13-13			✓	Water	X		
EB-1 02		0700				X	X	Just 8260 VOCs for EB-1
MW-1 03		1050				X	X	
MW-18 04		0822				X	X	
MW-19 05		0830				X	X	
MW-15 06		0945				X	X	

Special Instructions/Comments: _____ Special QA/QC Instructions(✓): _____

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: <u>Sun star</u>	Cooler Custody Seal (✓) <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <u>Brent Anderson</u>	Printed Name: <u>SANNY</u>	Printed Name:	Printed Name:
<input checked="" type="checkbox"/> Cooler packed with ice (✓)	Sample Receipt:	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature:	Signature:
Specify Turnaround Requirements: <u>Normal</u>	Condition/Cooler Temp: <u>2.7</u>	Firm: <u>ARCADIS</u>	Firm/Courier: <u>SUN STAR</u>	Firm/Courier:	Firm:
Shipping Tracking #:		Date/Time: <u>11-13-13 12:20</u>	Date/Time: <u>11-13-13 12:20</u>	Date/Time:	Date/Time:



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

22 November 2013

Sonia Cisneros
ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine, CA 92602
RE: Bodycote Technibraz

Enclosed are the results of analyses for samples received by the laboratory on 11/14/13 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:50
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB-2	T132459-01	Water	11/14/13 06:30	11/14/13 12:00
MW-2	T132459-02	Water	11/14/13 07:00	11/14/13 12:00
MW-3	T132459-03	Water	11/14/13 07:28	11/14/13 12:00
MW-7	T132459-04	Water	11/14/13 09:48	11/14/13 12:00
DUP-1	T132459-05	Water	11/14/13 09:48	11/14/13 12:00
MW-20	T132459-06	Water	11/14/13 09:55	11/14/13 12:00
MW-17	T132459-07	Water	11/14/13 10:40	11/14/13 12:00
MW-5	T132459-08	Water	11/14/13 10:13	11/14/13 12:00

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:50
--	---	-----------------------------

EB-2
T132459-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:50
--	---	-----------------------------

EB-2
T132459-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.9 %	83.5-119		"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:50
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EB-2
T132459-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		120 %	81-136		3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		101 %	88.8-117		"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		107 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

MW-2
T132459-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	1.0	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	1.6	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

MW-2
T132459-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	12	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	26	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %		83.5-119	"	"	"	"	

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Daniel Chavez, Project Manager



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MW-2
T132459-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		122 %		81-136		3111515	11/18/13	11/20/13	EPA 8260B
Surrogate: Toluene-d8		98.4 %		88.8-117		"	"	"	"
1,4-Dioxane	ND	10	"	"		3111516	11/15/13	11/19/13	EPA 8260B SIM
Surrogate: Dibromofluoromethane		114 %		60-124		"	"	"	"
Acetone	ND	10	"	"		3111515	11/18/13	11/20/13	EPA 8260B
Methyl ethyl ketone	ND	10	"	"		"	"	"	"
Methyl isobutyl ketone	ND	10	"	"		"	"	"	"
2-Hexanone (MBK)	ND	10	"	"		"	"	"	"

SunStar Laboratories, Inc.

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

MW-3
T132459-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	3.2	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	14	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Project: Bodycote Technibraze
Project Number: CM010272.0019
Project Manager: Sonia Cisneros

Reported:
11/22/13 09:50

**MW-3
T132459-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	28	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	33	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	6.5	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	17	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.1 %		83.5-119	"	"	"	"	

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Daniel Chavez, Project Manager



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MW-3
T132459-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		123 %	81-136		3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		95.5 %	88.8-117		"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		113 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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MW-7
T132459-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

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MW-7
T132459-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	370	10	"	10	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	32	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %		83.5-119	"	"	"	"	

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MW-7
T132459-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		125 %		81-136	3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		97.8 %		88.8-117	"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		114 %		60-124	"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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DUP-1
T132459-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

DUP-1
T132459-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	300	10	"	10	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	31	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.9 %		83.5-119	"	"	"	"	

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Daniel Chavez, Project Manager



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DUP-1
T132459-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		126 %	81-136		3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		95.0 %	88.8-117		"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		117 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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MW-20
T132459-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

MW-20
T132459-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	3.6	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	1.7	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %		83.5-119	"	"	"	"	

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MW-20
T132459-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		128 %	81-136		3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		94.4 %	88.8-117		"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		115 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

MW-17
T132459-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	

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Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

MW-17
T132459-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	600	25	"	25	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	14	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.1 %		83.5-119	"	"	"	"	

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MW-17
T132459-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		123 %		81-136	3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		97.2 %		88.8-117	"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		120 %		60-124	"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

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Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019
Project Manager: Sonia Cisneros

Reported:
11/22/13 09:50

**MW-5
T132459-08 (Water)**

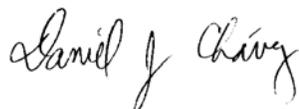
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Carbon Disulfide	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B
Bromobenzene	ND	1.0	"	"	"	"	"	"
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"
Chloroethane	ND	1.0	"	"	"	"	"	"
Chloroform	ND	1.0	"	"	"	"	"	"
Chloromethane	ND	1.0	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"
Dibromochloromethane	ND	1.0	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"
Dibromomethane	ND	1.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"

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MW-5
T132459-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1-Dichloropropene	ND	1.0	ug/l	1	3111515	11/18/13	11/20/13	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	13	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.5 %	83.5-119		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:50
--	---	-----------------------------

MW-5
T132459-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Surrogate: Dibromofluoromethane		125 %	81-136		3111515	11/18/13	11/20/13	EPA 8260B	
Surrogate: Toluene-d8		102 %	88.8-117		"	"	"	"	
1,4-Dioxane	ND	10	"	"	3111516	11/15/13	11/19/13	EPA 8260B SIM	
Surrogate: Dibromofluoromethane		122 %	60-124		"	"	"	"	
Acetone	ND	10	"	"	3111515	11/18/13	11/20/13	EPA 8260B	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	10	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111515 - EPA 5030 GCMS

Blank (3111515-BLK1)

Prepared: 11/15/13 Analyzed: 11/20/13

Carbon Disulfide	ND	1.0	ug/l							
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Acetone	ND	10	"							
Bromomethane	ND	1.0	"							
Methyl ethyl ketone	ND	10	"							
n-Butylbenzene	ND	1.0	"							
Methyl isobutyl ketone	ND	10	"							
2-Hexanone (MBK)	ND	10	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019
 Project Manager: Sonia Cisneros

Reported:
 11/22/13 09:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111515 - EPA 5030 GCMS

Blank (3111515-BLK1)

Prepared: 11/15/13 Analyzed: 11/20/13

1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"							

Surrogate: 4-Bromofluorobenzene 8.14 " 8.00 102 83.5-119

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019
Project Manager: Sonia Cisneros

Reported:
11/22/13 09:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111515 - EPA 5030 GCMS

Blank (3111515-BLK1)

Prepared: 11/15/13 Analyzed: 11/20/13

Surrogate: Dibromofluoromethane	9.50		ug/l	8.00		119	81-136			
Surrogate: Toluene-d8	7.71		"	8.00		96.4	88.8-117			

LCS (3111515-BS1)

Prepared: 11/15/13 Analyzed: 11/20/13

Chlorobenzene	19.6	1.0	ug/l	20.0		98.2	75-125			
1,1-Dichloroethene	19.3	1.0	"	20.0		96.7	75-125			
Trichloroethene	19.5	1.0	"	20.0		97.6	75-125			
Benzene	19.6	0.50	"	20.0		98.0	75-125			
Toluene	18.2	0.50	"	20.0		91.0	75-125			
Surrogate: 4-Bromofluorobenzene	7.80		"	8.00		97.5	83.5-119			
Surrogate: Dibromofluoromethane	9.56		"	8.00		120	81-136			
Surrogate: Toluene-d8	7.42		"	8.00		92.8	88.8-117			

Matrix Spike (3111515-MS1)

Source: T132459-01

Prepared: 11/15/13 Analyzed: 11/20/13

Chlorobenzene	18.9	1.0	ug/l	20.0	ND	94.6	75-125			
1,1-Dichloroethene	19.5	1.0	"	20.0	ND	97.4	75-125			
Trichloroethene	19.0	1.0	"	20.0	ND	94.8	75-125			
Benzene	19.4	0.50	"	20.0	ND	96.8	75-125			
Toluene	18.4	0.50	"	20.0	ND	91.8	75-125			
Surrogate: 4-Bromofluorobenzene	7.67		"	8.00		95.9	83.5-119			
Surrogate: Dibromofluoromethane	9.57		"	8.00		120	81-136			
Surrogate: Toluene-d8	8.01		"	8.00		100	88.8-117			

Matrix Spike Dup (3111515-MSD1)

Source: T132459-01

Prepared: 11/15/13 Analyzed: 11/20/13

Chlorobenzene	19.8	1.0	ug/l	20.0	ND	99.2	75-125	4.75	20	
1,1-Dichloroethene	20.2	1.0	"	20.0	ND	101	75-125	3.73	20	
Trichloroethene	19.6	1.0	"	20.0	ND	98.2	75-125	3.58	20	
Benzene	20.6	0.50	"	20.0	ND	103	75-125	6.16	20	
Toluene	19.2	0.50	"	20.0	ND	96.2	75-125	4.79	20	
Surrogate: 4-Bromofluorobenzene	7.74		"	8.00		96.8	83.5-119			
Surrogate: Dibromofluoromethane	9.67		"	8.00		121	81-136			
Surrogate: Toluene-d8	7.98		"	8.00		99.8	88.8-117			

SunStar Laboratories, Inc.



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Daniel Chavez, Project Manager

ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 Project Manager: Sonia Cisneros	Reported: 11/22/13 09:50
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111516 - EPA 5030 GCMS

Blank (3111516-BLK1)

Prepared: 11/15/13 Analyzed: 11/18/13

1,4-Dioxane	ND	10	ug/l							
Surrogate: Dibromofluoromethane	8.37		"	8.00		105	60-124			

LCS (3111516-BS1)

Prepared: 11/15/13 Analyzed: 11/18/13

1,4-Dioxane	40.4	10	ug/l	40.0		101	75-125			
Surrogate: Dibromofluoromethane	8.36		"	8.00		104	60-124			

Matrix Spike (3111516-MS1)

Source: T132459-02

Prepared: 11/15/13 Analyzed: 11/18/13

1,4-Dioxane	42.4	10	ug/l	40.0	ND	106	75-125			
Surrogate: Dibromofluoromethane	9.03		"	8.00		113	60-124			

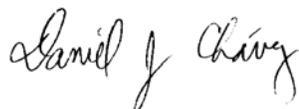
Matrix Spike Dup (3111516-MSD1)

Source: T132459-02

Prepared: 11/15/13 Analyzed: 11/18/13

1,4-Dioxane	41.1	10	ug/l	40.0	ND	103	75-125	3.09	20	
Surrogate: Dibromofluoromethane	9.44		"	8.00		118	60-124			

SunStar Laboratories, Inc.



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Daniel Chavez, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
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ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019
Project Manager: Sonia Cisneros

Reported:
11/22/13 09:50

Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

ID#: _____

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #
T132459

Send Results to: **Sonia Cisneros**
 Address: **320 commerce**
 City: **Irvine** State: **CA** Zip: **92602**

Preservative	<u>B</u>	<u>B</u>						
Filtered (✓)	<u>-</u>	<u>-</u>						
# of Containers	<u>5</u>	<u>5</u>						
Container Information	<u>1</u>	<u>1</u>						

Keys

Preservation Key:
 A. H₂SO₄
 B. HCL
 C. HNO₃
 D. NaOH
 E. None
 F. Other: _____
 G. Other: _____
 H. Other: _____

Container Information Key:
 1. 40 ml Vial
 2. 1 L Amber
 3. 250 ml Plastic
 4. 500 ml Plastic
 5. Encore
 6. 2 oz. Glass
 7. 4 oz. Glass
 8. 8 oz. Glass
 9. Other: _____
 10. Other: _____

Matrix Key:
 SO - Soil SE - Sediment NL - NAPL/OIL
 W - Water SL - Sludge SW - Sample Wipe
 T - Tissue A - Air Other: _____

Project Name/Location (City, State): **Bodycote T-Brazz, SF Springs**
 Project #: _____
 Sampler's Printed Name: **Brent Anderson**
 Sampler's Signature: *Brent Anderson*

PARAMETER ANALYSIS & METHOD

*8260 B
VOCs
1,4 Dioxane
4200 SIM*

Sample ID		Collection		Type (✓)		Matrix								
		Date	Time	Comp	Grab									
EB-2	01	11-14-13	0630		✓	Water	X	X						
MW-2	02		0700				X	X						
MW-3	03		0728				X	X						
MW-7	04		0948				X	X						
DUP-1	05						X	X						
MW-20	06		0955				X	X						
MW-17	07		1040				X	X						
MW-5	08		1003				X	X						
		Recording Error, No sample this line												

REMARKS

Special Instructions/Comments: _____ Special QA/QC Instructions (✓): _____

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: Sun Star	Cooler Custody Seal (✓) <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: Brent Anderson Signature: <i>Brent Anderson</i>	Printed Name: Sunny Signature: <i>Sunny</i>	Printed Name: _____ Signature: _____	Printed Name: _____ Signature: _____
Specify Turnaround Requirements: normal	Sample Receipt:	Firm: ARCADIS	Firm/Courier: Sun Star	Firm/Courier: _____	Firm: _____
Shipping Tracking #: _____	Condition/Cooler Temp: <u>2.7</u>	Date/Time: <u>11-14-13 / 1200</u>	Date/Time: <u>11-14-13 12:00</u>	Date/Time: _____	Date/Time: _____

ARCADIS

Appendix D

Laboratory Reports and
Chain-of-Custody Forms for Soil
Vapor Samples



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

17 January 2014

Sonia Cisneros
ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine, CA 92602
RE: Bodycote Technibraz

Enclosed are the results of analyses for samples received by the laboratory on 11/13/13 12:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019 00001
Project Manager: Sonia Cisneros

Reported:
01/17/14 13:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VW-5-SSAT-0633	T132444-01	Air	11/12/13 09:40	11/13/13 12:20
VW-9-SSAT-0703	T132444-02	Air	11/12/13 09:58	11/13/13 12:20
VW-13A-SSAT-0696	T132444-03	Air	11/12/13 10:17	11/13/13 12:20
VW-15A-SSAT-0442	T132444-04	Air	11/12/13 10:40	11/13/13 12:20
VW-19A-SSAT-0018	T132444-05	Air	11/12/13 10:40	11/13/13 12:20

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



25712 Commercentre Drive
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ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 00001 Project Manager: Sonia Cisneros	Reported: 01/17/14 13:52
--	---	-----------------------------

VW-5-SSAT-0633
T132444-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	0.14	0.050	ppm(v)	1.52	3111326	11/13/13	11/13/13	TO-15	TO-14
1,3-Butadiene	ND	0.050	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	0.050	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Bromoform	ND	0.050	"	"	"	"	"	"	TO-14
Bromomethane	ND	0.050	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	0.050	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Chloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Chloroform	ND	0.050	"	"	"	"	"	"	TO-14
Chloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Cyclohexane	ND	0.050	"	"	"	"	"	"	TO-14
Heptane	ND	0.050	"	"	"	"	"	"	TO-14
Hexane	ND	0.050	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	0.050	"	"	"	"	"	"	TO-14

SunStar Laboratories, Inc.

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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-5-SSAT-0633
T132444-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.050	ppm(v)	1.52	3111326	11/13/13	11/13/13	TO-15	TO-14
Styrene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Tetrahydrofuran	15	0.050	"	"	"	"	"	"	TO-14
Tetrachloroethene	0.14	0.050	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Trichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	0.050	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	0.050	"	"	"	"	"	"	TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"	"	"	"	"	"	TO-14
Benzene	ND	0.050	"	"	"	"	"	"	TO-14
Toluene	ND	0.050	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	0.050	"	"	"	"	"	"	TO-14
o-Xylene	ND	0.050	"	"	"	"	"	"	TO-14

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	14	ppm(v)	1	3111413	11/14/13	11/15/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		122 %		65-135	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-9-SSAT-0703
T132444-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	0.13	0.050	ppm(v)	1.52	3111326	11/13/13	11/13/13	TO-15	TO-14
1,3-Butadiene	ND	0.050	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	0.050	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Bromoform	ND	0.050	"	"	"	"	"	"	TO-14
Bromomethane	ND	0.050	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	0.050	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Chloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Chloroform	ND	0.050	"	"	"	"	"	"	TO-14
Chloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Cyclohexane	ND	0.050	"	"	"	"	"	"	TO-14
Heptane	ND	0.050	"	"	"	"	"	"	TO-14
Hexane	ND	0.050	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	0.050	"	"	"	"	"	"	TO-14

SunStar Laboratories, Inc.

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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-9-SSAT-0703
T132444-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.050	ppm(v)	1.52	3111326	11/13/13	11/13/13	TO-15	TO-14
Styrene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Tetrahydrofuran	18	0.050	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Trichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	0.050	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	0.050	"	"	"	"	"	"	TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"	"	"	"	"	"	TO-14
Benzene	ND	0.050	"	"	"	"	"	"	TO-14
Toluene	ND	0.050	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	0.050	"	"	"	"	"	"	TO-14
o-Xylene	ND	0.050	"	"	"	"	"	"	TO-14

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	14	ppm(v)	1	3111413	11/14/13	11/15/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		135 %		65-135	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-13A-SSAT-0696
T132444-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	0.23	0.050	ppm(v)	1.63	3111326	11/13/13	11/13/13	TO-15	TO-14
1,3-Butadiene	ND	0.050	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	0.050	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Bromoform	ND	0.050	"	"	"	"	"	"	TO-14
Bromomethane	ND	0.050	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	0.050	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Chloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Chloroform	ND	0.050	"	"	"	"	"	"	TO-14
Chloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Cyclohexane	ND	0.050	"	"	"	"	"	"	TO-14
Heptane	ND	0.050	"	"	"	"	"	"	TO-14
Hexane	ND	0.050	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	0.050	"	"	"	"	"	"	TO-14

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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-13A-SSAT-0696
T132444-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.050	ppm(v)	1.63	3111326	11/13/13	11/13/13	TO-15	TO-14
Styrene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Tetrahydrofuran	18	0.050	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Trichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	0.050	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	0.050	"	"	"	"	"	"	TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"	"	"	"	"	"	TO-14
Benzene	ND	0.050	"	"	"	"	"	"	TO-14
Toluene	ND	0.050	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	0.050	"	"	"	"	"	"	TO-14
o-Xylene	ND	0.050	"	"	"	"	"	"	TO-14

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	14	ppm(v)	1	3111413	11/14/13	11/15/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		134 %		65-135	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019 00001
Project Manager: Sonia Cisneros

Reported:
01/17/14 13:52

VW-15A-SSAT-0442
T132444-04 (Air)

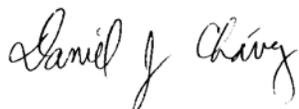
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	0.050	ppm(v)	1.52	3111326	11/13/13	11/13/13	TO-15	TO-14
1,3-Butadiene	ND	0.050	"	"	"	"	"	"	TO-14
Carbon Disulfide	0.086	0.050	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	0.050	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Bromoform	ND	0.050	"	"	"	"	"	"	TO-14
Bromomethane	ND	0.050	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	0.050	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Chloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Chloroform	ND	0.050	"	"	"	"	"	"	TO-14
Chloromethane	0.076	0.050	"	"	"	"	"	"	TO-14
Cyclohexane	ND	0.050	"	"	"	"	"	"	TO-14
Heptane	ND	0.050	"	"	"	"	"	"	TO-14
Hexane	ND	0.050	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	0.050	"	"	"	"	"	"	TO-14

SunStar Laboratories, Inc.



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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-15A-SSAT-0442
T132444-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.050	ppm(v)	1.52	3111326	11/13/13	11/13/13	TO-15	TO-14
Styrene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Tetrahydrofuran	14	0.050	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Trichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	0.050	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	0.050	"	"	"	"	"	"	TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"	"	"	"	"	"	TO-14
Benzene	ND	0.050	"	"	"	"	"	"	TO-14
Toluene	ND	0.050	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	0.050	"	"	"	"	"	"	TO-14
o-Xylene	ND	0.050	"	"	"	"	"	"	TO-14

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	14	ppm(v)	1	3111413	11/14/13	11/15/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		101 %		65-135	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-19A-SSAT-0018
T132444-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	0.14	0.050	ppm(v)	1.53	3111326	11/13/13	11/13/13	TO-15	TO-14
1,3-Butadiene	ND	0.050	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	0.050	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Bromoform	ND	0.050	"	"	"	"	"	"	TO-14
Bromomethane	ND	0.050	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	0.050	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Chloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Chloroform	ND	0.050	"	"	"	"	"	"	TO-14
Chloromethane	ND	0.050	"	"	"	"	"	"	TO-14
Cyclohexane	ND	0.050	"	"	"	"	"	"	TO-14
Heptane	ND	0.050	"	"	"	"	"	"	TO-14
Hexane	ND	0.050	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	0.050	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	0.050	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	0.050	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	0.050	"	"	"	"	"	"	TO-14

SunStar Laboratories, Inc.

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25712 Commercentre Drive
 Lake Forest, California 92630
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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

VW-19A-SSAT-0018
T132444-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.050	ppm(v)	1.53	3111326	11/13/13	11/13/13	TO-15	TO-14
Styrene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Tetrahydrofuran	16	0.050	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	0.050	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	0.050	"	"	"	"	"	"	TO-14
Trichloroethene	ND	0.050	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	0.050	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	0.050	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	0.050	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	0.050	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	0.050	"	"	"	"	"	"	TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"	"	"	"	"	"	TO-14
Benzene	ND	0.050	"	"	"	"	"	"	TO-14
Toluene	ND	0.050	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	0.050	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	0.050	"	"	"	"	"	"	TO-14
o-Xylene	ND	0.050	"	"	"	"	"	"	TO-14

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	14	ppm(v)	1	3111413	11/14/13	11/15/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		134 %		65-135	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111326 - EPA 5030 GCMS

Blank (3111326-BLK1)

Prepared & Analyzed: 11/13/13

Acetone	ND	0.050	ppm(v)							TO-14
1,3-Butadiene	ND	0.050	"							TO-14
Carbon Disulfide	ND	0.050	"							TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"							TO-14
Isopropyl alcohol	ND	0.050	"							TO-14
Bromodichloromethane	ND	0.050	"							TO-14
Bromoform	ND	0.050	"							TO-14
Bromomethane	ND	0.050	"							TO-14
Carbon tetrachloride	ND	0.050	"							TO-14
Chlorobenzene	ND	0.050	"							TO-14
Chloroethane	ND	0.050	"							TO-14
Chloroform	ND	0.050	"							TO-14
Chloromethane	ND	0.050	"							TO-14
Cyclohexane	ND	0.050	"							TO-14
Heptane	ND	0.050	"							TO-14
Hexane	ND	0.050	"							TO-14
Dibromochloromethane	ND	0.050	"							TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"							TO-14
1,2-Dichlorobenzene	ND	0.050	"							TO-14
1,3-Dichlorobenzene	ND	0.050	"							TO-14
1,4-Dichlorobenzene	ND	0.050	"							TO-14
Dichlorodifluoromethane	ND	0.050	"							TO-14
1,1-Dichloroethane	ND	0.050	"							TO-14
1,2-Dichloroethane	ND	0.050	"							TO-14
1,1-Dichloroethene	ND	0.050	"							TO-14
cis-1,2-Dichloroethene	ND	0.050	"							TO-14
trans-1,2-Dichloroethene	ND	0.050	"							TO-14
1,2-Dichloropropane	ND	0.050	"							TO-14
cis-1,3-Dichloropropene	ND	0.050	"							TO-14
trans-1,3-Dichloropropene	ND	0.050	"							TO-14
4-Ethyltoluene	ND	0.050	"							TO-14
Methylene chloride	ND	0.050	"							TO-14
Styrene	ND	0.050	"							TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"							TO-14
Tetrahydrofuran	ND	0.050	"							TO-14

SunStar Laboratories, Inc.

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ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111326 - EPA 5030 GCMS

Blank (3111326-BLK1)

Prepared & Analyzed: 11/13/13

Tetrachloroethene	ND	0.050	ppm(v)							TO-14
1,1,2-Trichloroethane	ND	0.050	"							TO-14
1,1,1-Trichloroethane	ND	0.050	"							TO-14
Trichloroethene	ND	0.050	"							TO-14
Trichlorofluoromethane	ND	0.050	"							TO-14
1,3,5-Trimethylbenzene	ND	0.050	"							TO-14
1,2,4-Trimethylbenzene	ND	0.050	"							TO-14
Vinyl acetate	ND	0.050	"							TO-14
Vinyl chloride	ND	0.050	"							TO-14
1,4-Dioxane	ND	0.050	"							TO-14
2-Butanone (MEK)	ND	0.050	"							TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"							TO-14
Benzene	ND	0.050	"							TO-14
Toluene	ND	0.050	"							TO-14
Ethylbenzene	ND	0.050	"							TO-14
m,p-Xylene	ND	0.050	"							TO-14
o-Xylene	ND	0.050	"							TO-14

Duplicate (3111326-DUP1)

Source: T132444-01

Prepared & Analyzed: 11/13/13

Acetone	0.154	0.050	ppm(v)		0.144			6.85	30	TO-14
1,3-Butadiene	ND	0.050	"		ND				30	TO-14
Carbon Disulfide	ND	0.050	"		ND				30	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.050	"		ND				30	TO-14
Isopropyl alcohol	ND	0.050	"		ND				30	TO-14
Bromodichloromethane	ND	0.050	"		ND				30	TO-14
Bromoform	ND	0.050	"		ND				30	TO-14
Bromomethane	ND	0.050	"		ND				30	TO-14
Carbon tetrachloride	ND	0.050	"		ND				30	TO-14
Chlorobenzene	ND	0.050	"		ND				30	TO-14
Chloroethane	ND	0.050	"		ND				30	TO-14
Chloroform	ND	0.050	"		ND				30	TO-14
Chloromethane	ND	0.050	"		ND				30	TO-14
Cyclohexane	ND	0.050	"		ND				30	TO-14
Heptane	ND	0.050	"		ND				30	TO-14
Hexane	ND	0.050	"		ND				30	TO-14

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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ARCADIS -- Irvine
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 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0019 00001
 Project Manager: Sonia Cisneros

Reported:
 01/17/14 13:52

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111326 - EPA 5030 GCMS

Duplicate (3111326-DUP1)	Source: T132444-01			Prepared & Analyzed: 11/13/13						
Dibromochloromethane	ND	0.050	ppm(v)		ND				30	TO-14
1,2-Dibromoethane (EDB)	ND	0.050	"		ND				30	TO-14
1,2-Dichlorobenzene	ND	0.050	"		ND				30	TO-14
1,3-Dichlorobenzene	ND	0.050	"		ND				30	TO-14
1,4-Dichlorobenzene	ND	0.050	"		ND				30	TO-14
Dichlorodifluoromethane	ND	0.050	"		ND				30	TO-14
1,1-Dichloroethane	ND	0.050	"		ND				30	TO-14
1,2-Dichloroethane	ND	0.050	"		ND				30	TO-14
1,1-Dichloroethene	ND	0.050	"		ND				30	TO-14
cis-1,2-Dichloroethene	ND	0.050	"		ND				30	TO-14
trans-1,2-Dichloroethene	ND	0.050	"		ND				30	TO-14
1,2-Dichloropropane	ND	0.050	"		ND				30	TO-14
cis-1,3-Dichloropropene	ND	0.050	"		ND				30	TO-14
trans-1,3-Dichloropropene	ND	0.050	"		ND				30	TO-14
4-Ethyltoluene	ND	0.050	"		ND				30	TO-14
Methylene chloride	ND	0.050	"		ND				30	TO-14
Styrene	ND	0.050	"		ND				30	TO-14
1,1,2,2-Tetrachloroethane	ND	0.050	"		ND				30	TO-14
Tetrahydrofuran	15.2	0.050	"		15.0			1.00	30	TO-14
Tetrachloroethene	0.143	0.050	"		0.137			4.52	30	TO-14
1,1,2-Trichloroethane	ND	0.050	"		ND				30	TO-14
1,1,1-Trichloroethane	ND	0.050	"		ND				30	TO-14
Trichloroethene	ND	0.050	"		ND				30	TO-14
Trichlorofluoromethane	ND	0.050	"		ND				30	TO-14
1,3,5-Trimethylbenzene	ND	0.050	"		ND				30	TO-14
1,2,4-Trimethylbenzene	ND	0.050	"		ND				30	TO-14
Vinyl acetate	ND	0.050	"		ND				30	TO-14
Vinyl chloride	ND	0.050	"		ND				30	TO-14
1,4-Dioxane	ND	0.050	"		ND				30	TO-14
2-Butanone (MEK)	ND	0.050	"		ND				30	TO-14
4-Methyl-2-pentanone (MIBK)	ND	0.050	"		ND				30	TO-14
Benzene	ND	0.050	"		ND				30	TO-14
Toluene	ND	0.050	"		ND				30	TO-14
Ethylbenzene	ND	0.050	"		ND				30	TO-14
m,p-Xylene	ND	0.050	"		ND				30	TO-14
o-Xylene	ND	0.050	"		ND				30	TO-14

SunStar Laboratories, Inc.

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25712 Commercentre Drive
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ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 00001 Project Manager: Sonia Cisneros	Reported: 01/17/14 13:52
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TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3111326 - EPA 5030 GCMS

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

ARCADIS -- Irvine 320 Commerce, Suite 200 Irvine CA, 92602	Project: Bodycote Technibraze Project Number: CM010272.0019 00001 Project Manager: Sonia Cisneros	Reported: 01/17/14 13:52
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Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 3111413 - EPA 5030 GC

Blank (3111413-BLK1) Prepared: 11/14/13 Analyzed: 11/15/13

C6-C12 (GRO)	ND	14	ppm(v)							
Surrogate: 4-Bromofluorobenzene	133		"	100		133	65-135			

LCS (3111413-BS1) Prepared: 11/14/13 Analyzed: 11/15/13

C6-C12 (GRO)	1670	14	ppm(v)	1530		109	75-125			
Surrogate: 4-Bromofluorobenzene	110		"	100		110	65-135			

LCS Dup (3111413-BSD1) Prepared: 11/14/13 Analyzed: 11/15/13

C6-C12 (GRO)	1640	14	ppm(v)	1530		107	75-125	1.77	20	
Surrogate: 4-Bromofluorobenzene	102		"	100		102	65-135			

SunStar Laboratories, Inc.



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Daniel Chavez, Project Manager



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ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0019 00001
Project Manager: Sonia Cisneros

Reported:
01/17/14 13:52

Notes and Definitions

- TO-14 TO-15 analysis of sample was not performed due to high concentration of analyte(s). Sample was analyzed utilizing method TO-14 and reporting limit has been adjusted accordingly.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

ID#: _____

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Lab Work Order #
7132444

Send Results to:
 Contact & Company Name: SONIA CISNEROS
 Telephone: _____
 Address: 320 Commerce
 Fax: _____
 City: IRVINE CA State: _____ Zip: _____
 E-mail Address: _____
 Project Name/Location (City, State): BODYCOTE TECH BASE Project #: CA014272.0019.00091
 Sampler's Printed Name: DEAN WHITE Sampler's Signature: [Signature]

Preservative: _____
 Filtered (✓): _____
 # of Containers: 1 ea
 Container Information: 9

Keys

Preservation Key:
 A. H₂SO₄
 B. HCL
 C. HNO₃
 D. NaOH
 E. None
 F. Other: _____
 G. Other: _____
 H. Other: _____

Container Information Key:
 1. 40 ml Vial
 2. 1 L Amber
 3. 250 ml Plastic
 4. 500 ml Plastic
 5. Encore
 6. 2 oz Glass
 7. 4 oz Glass
 8. 8 oz Glass
 9. Other: 1000 cc SUMMA
 10. Other: _____

Matrix Key:
 SO - Soil SE - Sediment NL - NAPL/Oil
 W - Water SL - Sludge SW - Sample Wipe
 T - Tissue A - Air Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection		Type (✓)		Matrix	REMARKS
	Date	Time	Comp	Grab		
VW-5-SSAT-0633	11-12-13	0940	X		AIR	X 01
VW-9-SSAT-0703		0958				X 02
VW-13A-SSAT-0696		1017				X 03
VW-15A-SSAT-0442		1040				X 04
VW-19A-SSAT-0018		1052				X 05

1015
 2015 GAS Pkg

Special Instructions/Comments: _____ Special QA/QC Instructions (✓): _____

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: <u>SUN STAR</u>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <u>Brent Anderson</u> Signature: <u>[Signature]</u> Firm: <u>ARCADIS</u>	Printed Name: <u>Sunny</u> Signature: <u>[Signature]</u> Firm/Courier: <u>SUN STAR</u>	Printed Name: _____ Signature: _____ Firm/Courier: _____	Printed Name: _____ Signature: _____ Firm: _____
Specify Turnaround Requirements: <u>NORMAL</u>	Sample Receipt: _____	Date/Time: <u>11-13-13 12:20</u>	Date/Time: <u>11-13-13 12:20</u>	Date/Time: _____	Date/Time: _____
Shipping Tracking #: _____	Condition/Cooler Temp: _____				

SAMPLE RECEIVING REVIEW SHEET

BATCH # T132444

Client Name: ARCADIS IRLINE

Project: BODYCOTE TECHMIBRAZE

Received by: SUNNY

Date/Time Received: 11-13-13 12:20

Delivered by: Client SunStar Courier GSO FedEx Other _____

Total number of coolers received 0 Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 10.2 °C +/- the CF (- 0.2°C) = 10.0 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling. Yes No* N/A

Custody Seals Intact on Cooler/Sample Yes No* N/A

Sample Containers Intact Yes No*

Sample labels match COC ID's Yes No*

Total number of containers received match COC Yes No*

Proper containers received for analyses requested on COC Yes No*

Proper preservative indicated on COC/containers for analyses requested Yes No* N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. Yes No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date RC 11-13-13

Comments:



**SunStar
Laboratories, Inc.**
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Form # _____

PACKING SLIP

Company: ARCADIS		NAME: ERIAN	
Item:		Quantity:	
4 oz jars 24/CS			
8 oz jars 12/CS			
40 ml unp. Voas 72/BOX			
40 ml HCL Voas 72/BOX			
250 ml Poly 60/CS			
1 Liter Poly 30/CS			
500 ml Poly 16/CS			
500 ml Amber Bottle Wide 12/CS			
1 Liter Amber Bottle 12/CS			
5035 kits:(2)Sodium Bisulfate Voas 72/BOX			
(1) Methanol Voa 72/BOX			
(1)Syringe 50/PACK			
Lock-N-Load Handle 1/PACK			
Tedlar Bags 10/PACK			
Manifold,Inst Sampler,Gauge, V. sampler		1-MANIFOLD (INST)	(NO CHARGE)
Sub Slab Insert w/ washer			
Soil Gas Drop Tubes			
Gas extraction fittings			
Soil Gas Filters			
B.C. Summa Cans	400cc:		
	1L:	7	(5 USED)
	3L:		
	6L:		
Certified Summa Cans	400cc:		
	1L:		
	3L:		
	6L:		
Cooler (S,MED,LRG) Number & Quantity			
Swagelok Fittings: Ferrules,Unions, Nuts			
Other: Poly Tube, Tools, etc			
Prepared By: Sunny		Date : 11-7-13	